

3019
Macey Family Properties



9586119



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 10/6/2008

Dear **Louis Macey**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3019

Expiration Date 10/6/2010

Generator: Macey Family Properties

Address: 1717 St. James Place Ste 118
Houston, TX 77056

Waste Information

Name of Waste: Unused silicones Lim6745B & Lim6071B (Part B)

TCEQ Waste Code #: CESQ5011

Container Type:

Detailed Description of Process Generating Waste:

Unused silicones component B from the manufacture of printed t-shirts from t-shirt manufacturing facility

Color: clear to milky

Odor: none

pH: na

Physical State:

Incompatibilities: Silicone component A, acids, bases, oxidizers

Safety Related Data/Special Handling:

level d ppe

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

Comp,
Treatment & Handling - Drum tops
must be marked accurately.



DB

☒ CES Environmental Services - Houston Facility
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

☐ CES Environmental Services - Port Arthur Facility
2420 S. Gulfway Drive, Port Arthur, TX 77641
Phone: (713) 676-1460 Fax: (713) 676-1676
U.S. EPA ID No: TXR000079307 ISWR No: 88585

SECTION 1: Material Producer Information

Company: Fam Macey Family Properties
Address: 1717 St. James Place STE 118
City, State, Zip: Houston, TX 77056
Contact: Louis Macey Title: _____
Phone No: 713 960 0690 Fax No: 713 960 8374
24/hr Phone: _____
U.S. EPA I.D. No: NA
State I.D. NA SIC Code: NA

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Material / Product

Name of Material / Product: Unused Silicones Lim6745B & Lim6071B (Part B)

Detailed Description of Process Generating or Producing the Material / Product: Unused Silicone Component B from the manufacture of printed t-shirts from t-shirt manufacturing facility.

Physical State: ☐ Liquid ☒ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Clear to Milky

Odor: None

Specific Gravity (water=1): 1.12

Density: 9 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☒ Other (explain)
Container Size: 55 G 5 Gal

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 1-50 Other: _____

CES & 5011

Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Waste Silicone Component B

Class: Na UN/NA: Na PG: Na RQ: Na

Flash Point >200	pH Na	N/A	N/A	Solids 5-100%
Oil&Grease Nmg/l	TOC Nmg/l	Zinc Nmg/l	Copper Nmg/l	Nickel Nmg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Unused Lim6745B Silicone	0-100	%
Unused Lim6071B	0-100	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.

Level D PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

MSDS Sheets

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Silicone Component ~~A~~ Acids, Bases, Oxidizers

SECTION 8: Material Producer's Certification

The information contained herein is based on ☐ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Louis Macey

Date: 09/22/08

Printed Name/Title: Louis Macey

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u>Robert R. Thoma</u>	
Date: <u>10-6-08</u>	Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>
Approval Number: <u>3019</u>	

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

\$65/dm
\$20/ 5 gal Drum

2. Contamination Limits (maximum limit before surcharges apply):

Non Conforming to Profile
or Fails Flash

3. Surcharge Pricing:

None

4. Special Testing Requirements:

Flash- In Case they mixed with Xylene (Xylene was used as a stripper and is on site. However, these drums should not be mixed, but check flash just in case.

5. Treatment and Handling Protocol:

Keep components A and B separate
Dispose part A and B in Separate Class 1 Solids or Sludge Boxes based on Consistency of Product. May require Shredding
All drum tops must be marked with the profile number and 'PART B'.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

Na

8. Management for Product Recovered/Recycled (if applicable):

Na

PRODUCT: LIM6071B

LIM SILICONE RUBBER

PAGE: 001

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY:
GE SILICONES
260 HUDSON RIVER ROAD
WATERFORD, NY 12188SUPPLIED BY:
GE SILICONES
260 HUDSON RIVER ROAD
WATERFORD, NY 12188EMERGENCY PHONE (24 HRS)
(518) 237-3330EMERGENCY PHONE (24 HRS)
(518) 237-3330REVISED: 06/02/98
PREPARER: CE HANNIGAN
CHEMICAL FAMILY/USE: SILICONE RUBBER
FORMULA: MIXTURE

2. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION/ CAS REG NO.	APPROX. WGT. %	ACGIH TLV TWA	ACGIH TLV STEL	OSHA PEL TWA	OSHA PEL STEL	UNITS
1. HAZARDOUS						
BENZENE						
71-43-2	.1PPM	0.5	2.5	1	5	PPM
TOLUENE						
108-88-3	<1	50 (SKN)NE		100	150	PPM
2. NON-HAZARDOUS						
VINYLPOLYDIMETHYLSILOXANE						
68083-19-2	30-60	NA	NE	NA	NE	NA
VI/ST DIMETHYL-METHYLVINYLSILOXANE						
68083-18-1	5-10	NA	NE	NA	NE	NA
TRADE SECRET COMPONENT						
	1-5	NA	NE	NA	NE	NA
POLYMETHYLHYDROGENSILOXANE						
68037-59-2	1-5	NA	NE	NA	NE	NA
D4 & HMDZ TREATED SILICA						
68937-51-9	10-30	NA	NA	NA	NA	NA

See Section 15 for description of any WEMIS Trade Secret(s).

3. HAZARDS IDENTIFICATION

*** CONTINUED ON NEXT PAGE ***

EMERGENCY OVERVIEW:

Clear Solid

Odorless

Excessive inhalation causes headache, dizziness, nausea, and incoordination.

Refer to other MSDS sections for detailed information.

POTENTIAL HEALTH EFFECTS:

INGESTION:

None known

SKIN CONTACT:

None known.

INHALATION:

None Known.

EYE CONTACT:

May cause mild eye irritation.

MEDICAL CONDITIONS AGGRAVATED:

None known.

SUBCHRONIC (TARGET ORGAN) EFFECTS:

None known

CHRONIC EFFECTS/CARCINOGENICITY:

This product or one of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

PRODUCTS/INGREDIENTS

This space reserved for special use.

PRINCIPLE ROUTES OF EXPOSURE:

Eyes.

OTHER:

This product contains Methylpolysiloxanes which can generate Formaldehyde at approximately 300 degrees Fahrenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. An MSDS for Formaldehyde is available from GE Silicones.

4. FIRST AID MEASURES

INGESTION:

None known.

SKIN:

Wash with soap and water.

INHALATION:

None known.

EYES:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

*** CONTINUED ON NEXT PAGE ***

NOTE TO PHYSICIAN:

None known.

5. FIRE FIGHTING MEASURES

FLASH POINT: NA (C) NA (F)
METHOD : NA
IGNITION TEMP : UNK (C) UNK (F)
FLAMMABLE LIMITS IN AIR - LOWER (%): NA
FLAMMABLE LIMITS IN AIR - UPPER (%): NA
SENSITIVITY TO MECHANICAL IMPACT (Y/N): NO
SENSITIVITY TO STATIC DISCHARGE:
Sensitivity to static discharge is not expected.
EXTINGUISHING MEDIA:
All standard firefighting media
SPECIAL FIREFIGHTING PROCEDURES:
None known.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wear proper protective equipment as specified in the protective equipment section.

Wipe, scrape, or soak up in an inert material and put in a container intended for flammable materials for disposal.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Do not reuse this container.

Relieve any internal pressure when received and at least weekly thereafter by slowly loosening bung. Retighten bung immediately.

Avoid contact with eyes.

Keep container closed when not in use to prevent contact with acidic, basic, or oxidizing materials, and metallic catalysts like tin soaps and noble metals (Pt, Rh, etc.).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

None known.

RESPIRATORY PROTECTION:

*** CONTINUED ON NEXT PAGE ***

None known.
PROTECTIVE GLOVES:
Cloth gloves.
EYE AND FACE PROTECTION:
Safety glasses.
OTHER PROTECTIVE EQUIPMENT:
None known.
VENTILATION:
None known.

9. PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT INFORMATION:

BOILING POINT	:	NA	(C) NA	(F)
VAPOR PRESSURE (20 C) (MM HG)	:	NEG		
VAPOR DENSITY (AIR=1)	:	NEG		
FREEZING POINT	:	NA	(C) NA	(F)
MELTING POINT	:	NA	(C) NA	(F)
PHYSICAL STATE	:	SOLID		
ODOR	:	NONE		
COLOR	:	CLEAR		
ODOR THRESHOLD (PPM)	:	NA		
% VOLATILE BY VOLUME	:	<1		
EVAP. RATE (BUTYL ACETATE=1)	:	<1		
SPECIFIC GRAVITY (WATER=1)	:	1.12		
DENSITY (KG/M3)	:	~1120		
ACID/ALKALINITY (MEQ/G)	:	UNK		
PH	:	7.0		
VOC EXCL. H2O & EXEMPTS (G/L)	:	NT		
SOLUBILITY IN WATER (20 C)	:	NEG		
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT)	:	TOLUENE		

10. STABILITY AND REACTIVITY

STABILITY: STABLE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:
Carbon monoxide.
Carbon dioxide.
Silicon dioxide.
Flammable hydrogen gas.
Formaldehyde.
INCOMPATIBILITY (MATERIALS TO AVOID):
Avoid contact with acidic, basic, or oxidizing agents, and

*** CONTINUED ON NEXT PAGE ***

metallic catalysts like tin soaps and noble metals (Pt, Rh, etc.).

CONDITIONS TO AVOID:

Product generates flammable gas on contact with acids, bases or oxidizing materials.

11. TOXICOLOGICAL INFORMATION

PRODUCT INFORMATION:

ACUTE ORAL LD50 (MG/KG): UNKNOWN

ACUTE DERMAL LD50 (MG/KG): UNKNOWN

ACUTE INHALATION LC50 (MG/L): UNKNOWN

OTHER:

None.

AMES TEST: " UNKNOWN

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time

CHEMICAL FATE INFORMATION: No data at this time

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

Disposal should be made in accordance with federal, state and local regulations.

Bury in a licensed landfill or burn in an approved incinerator according to federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT SHIPPING NAME: NONE

DOT HAZARD CLASS: NOT DOT REGULATED

DOT LABEL(S): NONE

UN/NA NUMBER: NONE

PLACARDS: NONE

IATA:

NOT REGULATED BY IATA

IMO IMDG-code: NOT REGULATED FOR OCEAN TRANSPORTATION

*** CONTINUED ON NEXT PAGE ***

EMS No: NA
EUROPEAN CLASS:
RID (OCTI): NONE
ADR (ECE): NONE
RAR (IATA): NONE

15. REGULATORY INFORMATION

SARA SECTION 302:

None Found

SARA (311,312) HAZARD CLASS:

NONE

SARA (313) CHEMICALS:

NONE

CPSC CLASSIFICATION: NA

WEMIS HAZARD CLASS:

D2A VERY TOXIC MATERIALS

WEMIS TRADE SECRET:

None

EXPORT:

SCHDLE B/HTSUS: 3910.00 Silicones in Primary Form

ECCN: EAR99

HAZARD RATING SYSTEMS

HMIS FLAMMABILITY 0 , REACTIVITY 1 , HEALTH 0

NFPA FLAMMABILITY 0 , REACTIVITY 1 , HEALTH 0

CALIFORNIA PROPOSITION 65:

THIS PRODUCT CONTAINS CALIFORNIA PROPOSITION 65 CHEMICALS
WHICH ARE LISTED BELOW.

BENZENE (71-43-2)

TOLUENE (108-88-3)

16. OTHER INFORMATION

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

C = ceiling limit

NEGL = negligible

EST= estimated

NF = none found

*** CONTINUED ON NEXT PAGE ***

HA = not applicable UNKN = unknown
NE = none established REC = recommended
ND = none determined V = recomm. By vendor
By-product = reaction by- SKN = skin
product, TSCA inventory TS = trade secret
status not required under R = recommended
40 CFR part 720.30(h-2) MST = mist
STEL = short term exposure NT = not tested
limit

.....
California Proposition 65...

Warning! This product contains a chemical known to the State
of California to cause cancer.
.....

California Proposition 65...

Warning! This product contains a chemical known to the State
of California to cause birth defects or other reproductive harm.
.....

If shipment by air is required, be certain that container has
not been contaminated by acidic, basic, or oxidizing materials
and container is undamaged.
.....

DATE PRINTED: 07/25/00

*** END OF MSDS ***

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY:
GE SILICONES
260 HUDSON RIVER ROAD
WATERFORD, NY 12188

SUPPLIED BY:
GE SILICONES
260 HUDSON RIVER ROAD
WATERFORD, NY 12188

EMERGENCY PHONE (24 HRS)
(518) 237-3330

EMERGENCY PHONE (24 HRS)
(518) 237-3330

REVISED: 06/02/98
PREPARER: CE HANNIGAN
CHEMICAL FAMILY/USE: SILICONE RUBBER
FORMULA: MIXTURE

2. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION/ CAS REG NO.	APPROX. WGT. %	ACGIH TLV TWA	OSHA PEL STEL	OSHA PEL TWA	UNITS
A. HAZARDOUS					
BENZENE 71-43-2	80PPB	0.5	2.5	1	5 PPM
TOLUENE 108-88-3	<.026	50 (SKN) NE		100	150 PPM
B. NON-HAZARDOUS					
VINYLPOLYDIMETHYLSILOXANE 68083-19-2	60-80	NA	NE	NA	NE NA
I/ST DIMETHYL-METHYLVINYLSILOXANE 68083-18-1	1-5	NA	NE	NA	NE NA
TRADE SECRET COMPONENT 1-5	NA	NE	NA	NE	NA
D4 & HMDZ TREATED SILICA 68937-51-9	10-30	NA	NA	NA	NA

See Section 15 for description of any WHMIS Trade Secret(s).

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:
Clear Solid
Odorless
Refer to other MSDS sections for detailed information.

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POTENTIAL HEALTH EFFECTS:

INGESTION:

None known

SKIN CONTACT:

None known.

INHALATION:

None Known.

EYE CONTACT:

May cause mild eye irritation.

MEDICAL CONDITIONS AGGRAVATED:

None known.

SUBCHRONIC (TARGET ORGAN) EFFECTS:

None known.

CHRONIC EFFECTS/CARCINOGENICITY:

This product or one of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

PRODUCTS/INGREDIENTS

This space reserved for special use.

PRINCIPLE ROUTES OF EXPOSURE:

Eyes.

OTHER:

This product contains Methylpolysiloxanes which can generate Formaldehyde at approximately 300 degrees fahrenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. An MSDS for Formaldehyde is available from GE Silicones.

4. FIRST AID MEASURES

INGESTION:

None known.

SKIN:

Wash with soap and water.

INHALATION:

None known.

EYES:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

NOTE TO PHYSICIAN:

None known.

5. FIRE FIGHTING MEASURES

*** CONTINUED ON NEXT PAGE ***

FLASH POINT: NA (C) NA (F)
METHOD : NA
IGNITION TEMP : UNK (C) UNK (F)
FLAMMABLE LIMITS IN AIR - LOWER (%): NA
FLAMMABLE LIMITS IN AIR - UPPER (%): NA
SENSITIVITY TO MECHANICAL IMPACT (Y/N): NO
SENSITIVITY TO STATIC DISCHARGE:
Sensitivity to static discharge is not expected.
EXTINGUISHING MEDIA:
All standard firefighting media
SPECIAL FIREFIGHTING PROCEDURES:
None known.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wear proper protective equipment as specified in the protective equipment section.
Wipe, scrape, or soak up in an inert material and put in a container intended for flammable materials for disposal.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Do not reuse this container.
Relieve any internal pressure when received and at least weekly thereafter by slowly loosening bung. Retighten bung immediately.
Avoid contact with eyes.
Keep container closed when not in use to prevent contact with acidic, basic or oxidizing materials, and metallic catalysts like tin soaps and noble metals(pt, rh, etc.).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

None known.

RESPIRATORY PROTECTION:

None known.

PROTECTIVE GLOVES:

Cloth gloves.

EYE AND FACE PROTECTION:

Safety glasses.

OTHER PROTECTIVE EQUIPMENT:

None known.

*** CONTINUED ON NEXT PAGE ***

VENTILATION:

None known.

9. PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT INFORMATION:

BOILING POINT	:	NA	(C) NA	(F)
VAPOR PRESSURE (20 C) (MM HG)	:	NEG		
VAPOR DENSITY (AIR=1)	:	NEG		
FREEZING POINT	:	NA	(C) NA	(F)
MELTING POINT	:	NA	(C) NA	(F)
PHYSICAL STATE	:	SOLID		
ODOR	:	NONE		
COLOR	:	CLEAR		
ODOR THRESHOLD (PPM)	:	NA		
% VOLATILE BY VOLUME	:	<1		
EVAP. RATE (BUTYL ACETATE=1)	:	<1		
SPECIFIC GRAVITY (WATER=1)	:	1.12		
DENSITY (KG/M3)	:	~1120		
ACID/ALKALINITY (MEQ/G)	:	UNK		
PH	:	7.0		
VOC EXCL. H2O & EXEMPTS (G/L)	:	NT		
SOLUBILITY IN WATER (20 C)	:	NEG		
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT)	:	TOLUENE		

10. STABILITY AND REACTIVITY

STABILITY:

STABLE

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:

- Carbon monoxide.
- Carbon dioxide.
- Silicon dioxide.
- Flammable hydrogen gas.
- Formaldehyde.

INCOMPATIBILITY (MATERIALS TO AVOID):

- Avoid contact with acidic, basic, or oxidizing agents, and metallic catalysts like tin soaps and noble metals (pt, rh, etc.)..

CONDITIONS TO AVOID:

- Product generates flammable gas on contact with acids, bases or oxidizing materials.

*** CONTINUED ON NEXT PAGE ***

11. TOXICOLOGICAL INFORMATION

PRODUCT INFORMATION:

ACUTE ORAL LD50 (MG/KG):	UNKNOWN
ACUTE DERMAL LD50 (MG/KG):	UNKNOWN
ACUTE INHALATION LC50 (MG/L):	UNKNOWN
OTHER:	
None.	

AMES TEST:	UNKNOWN
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12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:	No data at this time
CHEMICAL FATE INFORMATION:	No data at this time

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

Disposal should be made in accordance with federal, state and local regulations.

Bury in a licensed landfill or burn in an approved incinerator according to federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT SHIPPING NAME:	NONE
DOT HAZARD CLASS:	NOT DOT REGULATED
DOT LABEL(S):	NONE
UN/NA NUMBER:	NONE
PLACARDS:	NONE
IATA:	
NOT REGULATED BY IATA	
IMO IMDG-code:	NONE
EMS No:	NA
EUROPEAN CLASS:	
RID (OCTI):	NONE
ADR (ECE):	NONE
RAR (IATA):	NONE

*** CONTINUED ON NEXT PAGE ***

15. REGULATORY INFORMATION

SARA SECTION 302:

None Found

SARA (311,312) HAZARD CLASS:

NONE

SARA (313) CHEMICALS:

NONE

CPSC CLASSIFICATION:

NA

WEMIS HAZARD CLASS:

NON-CONTROLLED

WEMIS TRADE SECRET:

None

EXPORT:

SCHEDULE B/HTSUS:

3910.00 Silicones in Primary Form

ECCN:

EAR99

HAZARD RATING SYSTEMS

HMIS

FLAMMABILITY 0 , REACTIVITY 1 , HEALTH 0

NFPA

FLAMMABILITY 0 , REACTIVITY 1 , HEALTH 0

CALIFORNIA PROPOSITION 65:

THIS PRODUCT CONTAINS CALIFORNIA PROPOSITION 65 CHEMICALS
WHICH ARE LISTED BELOW.

BENZENE (71-43-2)

TOLUENE (108-88-3)

16. OTHER INFORMATION

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use.

.....
C = ceiling limit NEGL = negligible
EST= estimated NF = none found
NA = not applicable UNKN = unknown
NE = none established REC = recommended
ND = none determined V = recomm. By vendor
By-product = reaction by- SKN = skin
product, TSCA inventory TS = trade secret
status not required under R = recommended
40 CFR part 720.30(h-2) MST = mist
STEL = short term exposure NT = not tested

*** CONTINUED ON NEXT PAGE ***

limit

.....
California Proposition 65...

Warning! This product contains a chemical known to the State
of California to cause cancer.
.....

.....
California Proposition 65...

Warning! This product contains a chemical known to the State
of California to cause birth defects or other reproductive harm.
.....

.....
If shipment by air is required, be certain that container has
not been contaminated by acidic, basic, or oxidizing materials
and container is undamaged.
.....

DATE PRINTED: 12/14/99

*** END OF MSDS ***

3020
Macey Family Properties

72
8-4-09
LAB
T-35



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 10/6/2008

Dear Louis Macey

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3020

Expiration Date 10/6/2010

Generator: Macey Family Properties

Address: 1717 St. James Place Ste 118
Houston, TX 77056

Waste Information

Name of Waste: Unused pigments (non hazardous)

TCEQ Waste Code #: CESQ5011

Container Type: pails

Detailed Description of Process Generating Waste:

Unused stan tone pigments used to color silicone for printing t-shirts

Color: varies

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

level d ppe

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DB

Gary,
PFI for treatment + handling
refers to Part A + B. This is
incorrect for the pigments.
Corrected
PFI



CES Environmental
Services, Inc.

☒ CES Environmental Services – Houston Facility
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

☐ CES Environmental Services – Port Arthur Facility
2420 S. Gulfway Drive, Port Arthur, TX 77641
Phone: (713) 676-1460 Fax: (713) 676-1676
U.S. EPA ID No: TXR000079307 ISWR No: 88585

SECTION 1: Material Producer Information

Company: Macey Family Properties
Address: 1717 St. James Place #2118
City, State, Zip: Houston, TX 77056
Contact: Louis Macey Title: _____
Phone No: 713-960-0690 Fax No: 713 960 8374
24/hr Phone: _____
U.S. EPA ID. No: NA
State ID. NA SIC Code: NA

SECTION 2: Billing Information – ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Material / Product

Name of Material / Product: Unused Pigments (Non-Hazardous)

Detailed Description of Process Generating or Producing the Material / Product: Unused Stan Tone pigments used to color silicone for printing t-shirts

Physical State: ☒ Liquid ☒ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Variety

Odor: None

Specific Gravity (water=1): 1-1.4

Density: 9-10 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain)
Container Size: _____ 5 & 1 Gal

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 1-50 Other: _____

Proper U.S. DOT Shipping Name:

CESA 5011
Non-RCRA, Non-DOT Regulated Waste Pigments

Class: Na UN/NA: Na PG: Na RQ: Na

Flash Point >200	pH Na	N/A	N/A	Solids 0-5-%
Oil & Grease Nmg/l	TOC Nmg/l	Zinc Nmg/l	Copper Nmg/l	Nickel Nmg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Stan Tone Pigments (In several colors-see MSDS sheets)	0/100	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.

Level D PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

MSDS Sheets

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Louis Macey

Date: 09/22/08

Printed Name/Title: Louis Macey

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Technical Manager: Robert Thayer

Date: 10-6-08 Approved Rejected

Approval Number: 3020



pigments

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

\$5/1 Gal
\$20/ 5 gal Drum

2. Contamination Limits (maximum limit before surcharges apply):

Non Conforming to Profile
or Fails Flash

3. Surcharge Pricing:

None

4. Special Testing Requirements:

~~Flash - In Case they mixed with Xylene (Xylene was used as a stripper and is on site. However, these drums should not be mixed, but check flash just in case.)~~

Check for flash

5. Treatment and Handling Protocol:

~~Keep components A and B separate~~
~~Dispose part A and B in Separate Class 1 Solids or Sludge Boxes based on Consistency of Product. May require Shredding~~

Class 1 solids box ^{class} Sludge box depending on consistency

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

Na

8. Management for Product Recovered/Recycled (if applicable):

Na

Harwick Chemical Manufacturing Corporation

a business unit of M.A. Hanna Company

MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-22703 Glo-Blue

SECTION I - Preparation / Product Information

MANUFACTURED FOR AND SUPPLIED BY
Harwick Chemical Manufacturing Corporation
2020 Front Street
Suite 106
Cuyahoga Falls, Ohio 44221

TELEPHONE NO: (330) 916-6300
DATE PREPARED: August 27, 1998
PREPARER: Environmental, Health & Safety Dept.
PRODUCT USE: Colorant

SECTION II - Ingredients / Identity Information

COMPONENTS		EXPOSURE LIMITS	TOXICITY	AMT
CHEMICAL IDENTITY	CAS # / UN #	PEL / TLV / OTHER	LD50 / LC50	%
Vinylpolydimethylsiloxane	68083-19-2	Not Established		30-40
Silane, dimethyldichloro, reaction product with silica	68611-44-9	Not Established	LD50 rat/ oral > 5,000 mg/kg	.1-1
Zinc Sulfide, Copper Doped with Dyed Acrylate Resin *total dust	68611-70-1/ 28931-67-1	*15 mg/m ³ *10 mg/m ³	LD50 rat/oral > 16,000 mg/kg	60-70

SECTION III - Physical / Chemical Characteristics

BOILING POINT:	Not Applicable	SPECIFIC GRAVITY (H ₂ O = 1):	1.95 (calc.)
FREEZING POINT:	Not Applicable	pH:	Not Applicable
VAPOR PRESSURE (mm Hg):	Not Applicable	ODOR THRESHOLD (ppm):	Not Determined
VAPOR DENSITY (AIR = 1):	Not Applicable	COEF. WATER / OIL DIST.:	Not Applicable
SOLUBILITY IN WATER:	Insoluble	EVAPORATION RATE:	Not Applicable
APPEARANCE (PHYSICAL STATE) AND ODOR:		Paste; Blue Odor; Slight	

SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Applicable

EXTINGUISHING MEDIA: Water, dry chemical, chemical foam, CO₂

SPECIAL FIRE FIGHTING PROCEDURES: Use self contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

Hazard Rating: 1

IDENTITY: Stan-Tone® HCC-22703 Glo-Blue

FLAMMABLE LIMITS LEL: Not Applicable
UEL: Not Applicable

AUTOIGNITION TEMPERATURE: Not Applicable

SENS. TO MECHANICAL IMPACT: Not Applicable

SENS. TO STATIC DISCHARGE: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide, formaldehyde, Hydrogen sulfide gas, ZnO, SO2

SECTION V - Reactivity Data**STABILITY**

Stable X
Unstable

CONDITIONS TO AVOID (Condition of Reactivity): Heat can release toxic fumes of hydrogen sulfide gas on contact with moisture or acid.

INCOMPATIBILITY (Materials to Avoid): Acids

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SOx, formaldehyde, Hydrogen sulfide gas, ZnO, SO2

HAZARDOUS POLYMERIZATION

May Occur:

Will Not Occur: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

SECTION VI - Health Hazard Data**PRIMARY ROUTE OF EXPOSURE**

Inhalation:

Skin Contact:

Skin Absorption:

Ingestion:

Eye Contact: X

HEALTH HAZARDS

Acute: May cause eye and skin irritation.

Chronic: None Known

CARCINOGEN:

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards listed above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

HMIS CLASSIFICATION

Not Determined

HMIS RATING: 1

IDENTITY: Stan-Tone® HCC-22703 Glo-Blue

SECTION VII - First Aid Measures**EMERGENCY AND FIRST AID PROCEDURES**

Inhalation: Move to fresh air.

Ingestion: Consult a physician.

Skin Contact: Wash with soap and water.

Eye Contact: Flush with water for 15 minutes. If irritation persists, consult a physician.

SECTION VIII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Pick or scoop up and place in suitable container for disposal

Waste Disposal Method:

In accordance with all Federal, State and Local regulations. Refer to Section X.

Precautions to be taken in handling and storing:

Keep away from excessive heat and open flame. Avoid contact with eyes, skin and clothing.

SECTION IX - Control Measures

Respiratory Protection: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV as necessary.

VENTILATION

Local Exhaust: Recommended to minimize exposure.

Mechanical (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling

IDENTITY: Stan-Tone® HCC-22703 Glo-Blue

SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS: Chemical component(s) are listed on the TSCA Inventory.

SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

Zinc Sulfide, Copper Doped with Dyed Acrylate Resin (zinc compounds) 60-70%

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

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1/97

Harwick Chemical Manufacturing Corporation

a business unit of M.A. Hanna Company

MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-22992 Marine Green

SECTION I - Preparation / Product Information

MANUFACTURED FOR AND SUPPLIED BY
Harwick Chemical Manufacturing Corporation
2020 Front Street
Suite 106
Cuyahoga Falls, Ohio 44221

TELEPHONE NO: (330) 916-6300
DATE PREPARED: May 14, 1998
PREPARER: Environmental, Health & Safety Dept.
PRODUCT USE: Colorant

SECTION II - Ingredients / Identity Information

COMPONENTS		EXPOSURE LIMITS	TOXICITY	AMT
CHEMICAL IDENTITY	CAS # / UN #	PEL / TLV / OTHER	LD50 / LC50	%
Vinylpolydimethylsiloxane	68083-19-2	Not Established		50-60
Sodium Alumino Sulphosilicate CI Pigment Blue 29, CI #77007 *PEL for total dust **TLV for respirable dust	57455-37-5	*10 mg/m ³ **5 mg/m ³	LD50 rat/oral > 10,000 mg/kg	30-40
Iron Oxide CI Pigment Red 101; CI#77491	1309-37-1	Not Established	LD50 rat/oral > 5000 mg/kg	5-10
Isoindolinone CI Pigment Yellow 110, CI #56280	106276-80-6	Not Established	LD50 rat/oral > 5,000 mg/kg	5-10

SECTION III - Physical / Chemical Characteristics

BOILING POINT:	Not Applicable	SPECIFIC GRAVITY (H ₂ O = 1):	1.37(calc.)
FREEZING POINT:	Not Applicable	pH:	Not Applicable
VAPOR PRESSURE (mm Hg):	Not Applicable	ODOR THRESHOLD (ppm):	Not Determined
VAPOR DENSITY (AIR = 1):	Not Applicable	COEF. WATER / OIL DIST.:	Not Applicable
SOLUBILITY IN WATER:	Insoluble	EVAPORATION RATE:	Not Applicable
APPEARANCE (PHYSICAL STATE) AND ODOR:		Paste; Green	
		Odor; Slight	

SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Applicable

EXTINGUISHING MEDIA: Water, dry chemical, chemical foam, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Wear self contained breathing apparatus and full protective clothing

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HMIS RATING: 1

FLAMMABLE LIMITS, LEL: Not Applicable

UEL: Not Applicable

AUTOIGNITION TEMPERATURE: Not Applicable

SENS. TO MECHANICAL IMPACT: Not Applicable

SENS. TO STATIC DISCHARGE: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide, formaldehyde, hydrogen sulfide, SOx, NOx, chlorine compounds, toxic gases and vapors

SECTION V - Reactivity Data

STABILITY

Stable X

Unstable

CONDITIONS TO AVOID (Condition of Reactivity): Temps > 350oC

INCOMPATIBILITY (Materials to Avoid): Acids

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SOx, formaldehyde, hydrogen sulfide, sulfur dioxide, Chlorine compounds, NOx, toxic gases and vapors

HAZARDOUS POLYMERIZATION

May Occur:

Will Not Occur: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

SECTION VI - Health Hazard Data**PRIMARY ROUTE OF EXPOSURE**

Inhalation: X Skin Contact: X
Skin Absorption: Ingestion: X Eye Contact: X

HEALTH HAZARDS

Acute: May cause eye and skin irritation

Chronic: None Known

CARCINOGEN:

NTP: No IARC: No OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards listed above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Persons suffering from chronic respiratory diseases may be at increased risk

WHMIS CLASSIFICATION

Not Determined

HMIS RATING: 1

SECTION VII - First Aid Measures**EMERGENCY AND FIRST AID PROCEDURES**

Inhalation: Move to fresh air.

Ingestion: Consult a physician.

Skin Contact: Wash with soap and water.

Eye Contact: Flush with water for 15 minutes. If irritation persists, consult a physician.

SECTION VIII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Pick or scoop up and place in suitable container for disposal

Waste Disposal Method:

In accordance with all Federal, State and Local regulations. Refer to Section X.

Precautions to be taken in handling and storing:

Keep away from excessive heat and open flame. Avoid contact with eyes, skin and clothing.

SECTION IX - Control Measures

Respiratory Protection: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV as necessary.

VENTILATION

Local Exhaust: Recommended to minimize exposure.

Mechanical (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling

SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS: Chemical component(s) are listed on the TSCA Inventory.

SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None Known

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

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Harwick Chemical Manufacturing Corporation

a business unit of M.A. Hanna Company

MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-22993 Red

SECTION I - Preparation / Product Information

MANUFACTURED FOR AND SUPPLIED BY
Harwick Chemical Manufacturing Corporation
2020 Front Street
Suite 106
Cuyahoga Falls, Ohio 44221

TELEPHONE NO: (330) 916-6300
DATE PREPARED: May 14, 1998
PREPARER: Environmental, Health & Safety Dept.
PRODUCT USE: Colorant

SECTION II - Ingredients / Identity Information

COMPONENTS		EXPOSURE LIMITS	TOXICITY	AMT
CHEMICAL IDENTITY	CAS # / UN #	PEL / TLV / OTHER	LD50 / LC50	%
Vinylpolydimethylsiloxane	68083-19-2	Not Established		60-70
Quinacridone CI Pigment Violet 19, CI#73900	1047-16-1	Not Established	LD50 rat/oral > 10,000 mg/kg	20-30
Iron Oxide CI Pigment Red 101, CI #77491	1309-37-1	Not Established	LD50 rat/oral > 5000 mg/kg	5-10

SECTION III - Physical / Chemical Characteristics

BOILING POINT:	Not Applicable	SPECIFIC GRAVITY (H ₂ O = 1):	1.14(calc.)
FREEZING POINT:	Not Applicable	pH:	Not Applicable
VAPOR PRESSURE (mm Hg):	Not Applicable	ODOR THRESHOLD (ppm):	Not Determined
VAPOR DENSITY (AIR = 1):	Not Applicable	COEF. WATER / OIL DIST.:	Not Applicable
SOLUBILITY IN WATER:	Insoluble	EVAPORATION RATE:	Not Applicable
APPEARANCE (PHYSICAL STATE) AND ODOR:		Paste; Red Odor; Slight	

SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Applicable

EXTINGUISHING MEDIA: Water, dry chemical, chemical foam, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Wear self contained breathing apparatus and full protective clothing

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HMIS RATING: 1

FLAMMABLE LIMITS LEL: Not Applicable

UEL: Not Applicable

AUTOIGNITION TEMPERATURE: Not Applicable

SENS. TO MECHANICAL IMPACT: Not Applicable

SENS. TO STATIC DISCHARGE: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide, formaldehyde, NOx, chlorine compounds, toxic vapors

SECTION V - Reactivity Data**STABILITY**

Stable X

Unstable

CONDITIONS TO AVOID (Condition of Reactivity): None Known

INCOMPATIBILITY (Materials to Avoid): None Known

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SOx, formaldehyde, NOx, Chlorine compounds, as well as other toxic gases and vapors

HAZARDOUS POLYMERIZATION

May Occur:

Will Not Occur: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

SECTION VI - Health Hazard Data**PRIMARY ROUTE OF EXPOSURE**

Inhalation: X Skin Contact:
Skin Absorption: Ingestion: X Eye Contact: X

HEALTH HAZARDS

Acute: May cause eye and skin irritation

Chronic: None Known

CARCINOGEN:

NTP: No IARC: No OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards listed above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

WHMIS CLASSIFICATION

Not Determined

HMIS RATING: 1

SECTION VII - First Aid Measures**EMERGENCY AND FIRST AID PROCEDURES**

Inhalation: Move to fresh air.

Ingestion: Consult a physician.

Skin Contact: Wash with soap and water.

Eye Contact: Flush with water for 15 minutes. If irritation persists, consult a physician.

SECTION VIII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:
Pick or scoop up and place in suitable container for disposal

Waste Disposal Method:
In accordance with all Federal, State and Local regulations. Refer to Section X.

Precautions to be taken in handling and storing:
Keep away from excessive heat and open flame. Avoid contact with eyes, skin and clothing.

SECTION IX - Control Measures**Respiratory Protection: (Specify Type)**

A NIOSH/MSHA approved respirator above PEL or TLV as necessary.

VENTILATION

Local Exhaust: Recommended to minimize exposure.

Mechanical (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling

SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS: Chemical component(s) are listed on the TSCA Inventory.

SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None Known

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON DATA THAT IS ACCURATE AND RELIABLE TO THE BEST OF HARWICK'S KNOWLEDGE AND BELIEF. HARWICK MAKES NO WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE GOODS OR USE OF THE GOODS OR THE PERFORMANCE OF THE GOODS AND MAKES NO WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. IN NO EVENT SHALL HARWICK BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL, DIRECT OR SPECIAL DAMAGES ARISING, DIRECTLY OR INDIRECTLY, IN RESPECT TO SUCH GOODS OR THE USE OR FAILURE THEREOF, WHETHER BASED ON BREACH OF WARRANTY, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE.

1/97

Harwick Chemical Manufacturing Corporation

a business unit of M.A. Hanna Company

MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-22994 Blue

SECTION I - Preparation / Product Information

MANUFACTURED FOR AND SUPPLIED BY
Harwick Chemical Manufacturing Corporation
2020 Front Street
Suite 106
Cuyahoga Falls, Ohio 44221

TELEPHONE NO: (330) 916-6300
DATE PREPARED: May 14, 1998
PREPARER: Environmental, Health & Safety Dept.
PRODUCT USE: Colorant

SECTION II - Ingredients / Identity Information

COMPONENTS		EXPOSURE LIMITS	TOXICITY	AMT
CHEMICAL IDENTITY	CAS # / UN #	PEL / TLV / OTHER	LD50 / LC50	%
Vinylpolydimethylsiloxane	68083-19-2	Not Established		60-70
Phthalocyanine CI Pigment Blue 15:3, CI# 74160	147-14-8	Not Established	LD50 rat/oral > 5gm/kg	10-20
Iron Oxide CI Pigment Red 101; CI#77491	1309-37-1	Not Established	LD50 rat/oral > 5000 mg/kg	10-20
Titanium Dioxide CI Pigment White #6, CI #77891 Containing Hydrated alumina; CAS #21645-51-2 *PEL & TLV for titanium dioxide (total dust).	13463-67-7	*15 mg/m ³ *10 mg/m ³	LD50 rat/oral > 25 g/kg	5-10
Carbon Black CI Pigment Black 7	1333-86-4	3.5mg/m ³ 3.5mg/m ³	LD50 rat/oral > 5000 mg/kg	1-5

SECTION III - Physical / Chemical Characteristics

BOILING POINT: Not Applicable
FREEZING POINT: Not Applicable
VAPOR PRESSURE (mm Hg): Not Applicable
VAPOR DENSITY (AIR=1): Not Applicable
SOLUBILITY IN WATER: Insoluble
APPEARANCE (PHYSICAL STATE) AND ODOR:

SPECIFIC GRAVITY (H₂O=1): 1.27(calc.)
pH: Not Applicable
ODOR THRESHOLD (ppm): Not Determined
COEF. WATER / OIL DIST.: Not Applicable
EVAPORATION RATE: Not Applicable
Paste; Blue
Odor; Slight

SECTION IV - Fire and Explosion Hazard Data**FLASH POINT (Method):** Not Applicable**EXTINGUISHING MEDIA:** Water, dry chemical, chemical foam, CO2**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self contained breathing apparatus and full protective clothing**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None Known**HMIS RATING:** 1**FLAMMABLE LIMITS** LEL: Not Applicable
UEL: Not Applicable**AUTOIGNITION TEMPERATURE:** Not Applicable**SENS. TO MECHANICAL IMPACT:** Not Applicable**SENS. TO STATIC DISCHARGE:** Not Applicable**HAZARDOUS COMBUSTION PRODUCTS:** COx, silicon dioxide, formaldehyde**SECTION V - Reactivity Data****STABILITY**Stable X
Unstable**CONDITIONS TO AVOID (Condition of Reactivity):** Excessive heat or flame. Temp > 315C**INCOMPATIBILITY (Materials to Avoid):** Strong oxidizers**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** COx, SOx, formaldehyde, NOx, and HCL depending on pigments**HAZARDOUS POLYMERIZATION**

May Occur:

Will Not Occur: X

CONDITIONS TO AVOID: None Known**HMIS RATING:** 0

SECTION VI - Health Hazard Data**PRIMARY ROUTE OF EXPOSURE**

Inhalation: X Skin Contact: X
Skin Absorption: Ingestion: X Eye Contact: X

HEALTH HAZARDS

Acute: May cause eye, skin and/or respiratory tract irritation.

Chronic: Chronic inflammation, lung fibrosis and lung tumors were found in rats experimentally exposed for long periods of time to excessive concentrations of carbon black. Epidemiological studies of workers exposed to carbon black have shown no significant health effects due to occupational exposure.

CARCINOGEN: Carbon Black

NTP: No IARC:Yes, 2B(Known animal carcinogen, possible human carcinogen) OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards listed above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: May aggravate certain pre-existing upper respiratory disorders, such as bronchitis or asthma.

WHMIS CLASSIFICATION

Not Determined

HMIS RATING: 1 *

SECTION VII - First Aid Measures**EMERGENCY AND FIRST AID PROCEDURES**

Inhalation: Move to fresh air.

Ingestion: Consult a physician.

Skin Contact: Wash with soap and water.

Eye Contact: Flush with water for 15 minutes. If irritation persists, consult a physician.

SECTION VIII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Pick or scoop up and place in suitable container for disposal

Waste Disposal Method:

In accordance with all Federal, State and Local regulations. Refer to Section X.

Precautions to be taken in handling and storing:

Keep away from excessive heat and open flame. Avoid contact with eyes, skin and clothing.

SECTION IX - Control Measures**Respiratory Protection: (Specify Type)**

A NIOSH/MSHA approved respirator above PEL or TLV as necessary.

VENTILATION

Local Exhaust: Recommended to minimize exposure.

Mechanical (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling

SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS: Chemical component(s) are listed on the TSCA Inventory.

RCRA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None Known

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON DATA THAT IS ACCURATE AND RELIABLE TO THE BEST OF HARWICK'S KNOWLEDGE AND BELIEF. HARWICK MAKES NO WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE GOODS OR USE OF THE GOODS OR THE PERFORMANCE OF THE GOODS AND MAKES NO WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. IN NO EVENT SHALL HARWICK BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL, DIRECT OR SPECIAL DAMAGES ARISING, DIRECTLY OR INDIRECTLY, IN RESPECT TO SUCH GOODS OR THE USE OR FAILURE THEREOF, WHETHER BASED ON BREACH OF WARRANTY, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE.

1/97

Harwick Chemical Manufacturing Corporation

a business unit of M.A. Hanna Company

MATERIAL SAFETY DATA SHEET**IDENTITY:** Stan-Tone® HCC-23324 Lite Blue**SECTION I - Preparation / Product Information**

MANUFACTURED FOR AND SUPPLIED BY
Harwick Chemical Manufacturing Corporation
2020 Front Street
Suite 106
Cuyahoga Falls, Ohio 44221

TELEPHONE NO: (330) 916-6300
DATE PREPARED: August 14, 1998
PREPARER: Environmental, Health & Safety Dept.
PRODUCT USE: Colorant

SECTION II - Ingredients / Identity Information

COMPONENTS		EXPOSURE LIMITS	TOXICITY	AMT
CHEMICAL IDENTITY	CAS # / UN #	PEL / TLV / OTHER	LD50 / LC50	%
Vinylpolydimethylsiloxane	68083-19-2	Not Established		60-70
Titanium Dioxide with Aluminum Hydroxide CI Pigment White 6 *Titanium Dioxide (Total Dust)	13463-67-7/ 21645-51-2	*15 mg/m ³ *10 mg/m ³	LD50 rat/oral > 25 g/kg	10-20
Phthalocyanine CI Pigment Blue 15:3, CI #74160	147-14-8	Not established		10-20

SECTION III - Physical / Chemical Characteristics

BOILING POINT:	Not Applicable	SPECIFIC GRAVITY (H₂O = 1):	1.20 (calc.)
FREEZING POINT:	Not Applicable	pH:	Not Applicable
VAPOR PRESSURE (mm Hg):	Not Applicable	ODOR THRESHOLD (ppm):	Not Determined
VAPOR DENSITY (AIR = 1):	Not Applicable	COEF. WATER / OIL DIST.:	Not Applicable
SOLUBILITY IN WATER:	Insoluble	EVAPORATION RATE:	Not Applicable
APPEARANCE (PHYSICAL STATE) AND ODOR:		Paste; Blue	
		Odor; Slight	

SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Applicable

EXTINGUISHING MEDIA: Water, dry chemical, chemical foam, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Use self contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HIS RATING: 1

IDENTITY: Scan-Tone® HCC-23324 Lite Blue

FLAMMABLE LIMITS LEL: Not Applicable
UEL: Not Applicable

AUTOIGNITION TEMPERATURE: Not Applicable
SENS. TO MECHANICAL IMPACT: Not Applicable
SENS. TO STATIC DISCHARGE: Not Applicable
HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide, formaldehyde

SECTION V - Reactivity Data**STABILITY**

Stable X
Unstable

CONDITIONS TO AVOID (Condition of Reactivity): None Known

INCOMPATIBILITY (Materials to Avoid): None Known

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SOx, formaldehyde

HAZARDOUS POLYMERIZATION

May Occur:
Will Not Occur: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

SECTION VI - Health Hazard Data**PRIMARY ROUTE OF EXPOSURE**

Inhalation: Skin Contact:
Skin Absorption: Ingestion: Eye Contact: X

HEALTH HAZARDS

Acute: May cause eye and skin irritation. Ingestion may cause gastric disturbance. Dust inhalation may cause irritation in mucous membranes.

Chronic: None Known

CARCINOGEN:

NTP: No IARC: No OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards listed above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

HMIS CLASSIFICATION

Not Determined

HMIS RATING: 1

IDENTITY: Stan-Tone® HCC-23324 Lite Blue

SECTION VII - First Aid Measures**EMERGENCY AND FIRST AID PROCEDURES**

Inhalation: Move to fresh air.

Ingestion: Consult a physician.

Skin Contact: Wash with soap and water.

Eye Contact: Flush with water for 15 minutes. If irritation persists, consult a physician.

SECTION VIII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:
Pick or scoop up and place in suitable container for disposal

Waste Disposal Method:

In accordance with all Federal, State and Local regulations. Refer to Section X.

Precautions to be taken in handling and storing:

Keep away from excessive heat and open flame. Avoid contact with eyes, skin and clothing.

SECTION IX - Control Measures**Respiratory Protection: (Specify Type)**

. NIOSH/MSHA approved respirator above PEL or TLV as necessary.

VENTILATION

Local Exhaust: Recommended to minimize exposure.

Mechanical (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling

IDENTITY: Stan-Tone® HCC-23324 Lite Blue

SECTION X - Additional Information**SPECIAL SHIPPING INFORMATION:** Not Available**TSCA INVENTORY STATUS:** Chemical component(s) are listed on the TSCA Inventory.**SARA TITLE III:**

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None Known

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

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1/97

Harwick Chemical Manufacturing Corporation

a business unit of M.A. Hanna Company

MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-23325 Aqua Green

SECTION I - Preparation / Product Information

MANUFACTURED FOR AND SUPPLIED BY
Harwick Chemical Manufacturing Corporation
2020 Front Street
Suite 106
Cuyahoga Falls, Ohio 44221

TELEPHONE NO: (330) 916-6300
DATE PREPARED: August 14, 1998
PREPARER: Environmental, Health & Safety Dept.
PRODUCT USE: Colorant

SECTION II - Ingredients / Identity Information

COMPONENTS		EXPOSURE LIMITS	TOXICITY	AMT
CHEMICAL IDENTITY	CAS # / UN #	PEL / TLV / OTHER	LD50 / LC50	%
Vinylpolydimethylsiloxane	68083-19-2	Not Established		70-80
Titanium Dioxide with Aluminum Hydroxide CI Pigment White 6 *Titanium Dioxide (Total Dust)	13463-67-7/ 21645-51-2	*15 mg/m ³ *10 mg/m ³	LD50 rat/oral > 25 g/kg	10-20
Phthalocyanine CI Pigment Blue 15:3, CI #74160	147-14-8	Not established		1-5
Phthalocyanine CI Pigment Green 7, CI #74260	1328-53-6	Not Established	LD50 rat/oral > 5g/kg	10-20

SECTION III - Physical / Chemical Characteristics

BOILING POINT:	Not Applicable	SPECIFIC GRAVITY (H ₂ O = 1):	1.16 (calc.)
FREEZING POINT:	Not Applicable	pH:	Not Applicable
VAPOR PRESSURE (mm Hg):	Not Applicable	ODOR THRESHOLD (ppm):	Not Determined
VAPOR DENSITY (AIR = 1):	Not Applicable	COEF. WATER / OIL DIST.:	Not Applicable
SOLUBILITY IN WATER:	Insoluble	EVAPORATION RATE:	Not Applicable
APPEARANCE (PHYSICAL STATE) AND ODOR:		Paste; Green Odor; Slight	

SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Applicable

EXTINGUISHING MEDIA: Water, dry chemical, chemical foam, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Use self contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Fire or excessive heat may produce hazardous decomposition products

HMIS RATING: 1

IDENTITY: Stan-Tone® HCC-23325 Aqua Green

FLAMMABLE LIMITS LEL: Not Applicable
UEL: Not Applicable

AUTOIGNITION TEMPERATURE: Not Applicable

SENS. TO MECHANICAL IMPACT: Not Applicable

SENS. TO STATIC DISCHARGE: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide, formaldehyde, NOx, HCL

SECTION V - Reactivity Data**STABILITY**

Stable X
Unstable

CONDITIONS TO AVOID (Condition of Reactivity): None Known

INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SOx, formaldehyde, NOx, HCL

HAZARDOUS POLYMERIZATION

May Occur:
Will Not Occur: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

SECTION VI - Health Hazard Data**PRIMARY ROUTE OF EXPOSURE**

Inhalation: Skin Contact: X
Skin Absorption: Ingestion: Eye Contact: X

HEALTH HAZARDS

Acute: May cause eye and skin irritation. Ingestion may cause gastric disturbance. Dust inhalation may cause irritation in mucous membranes.

Chronic: None Known

CARCINOGEN:

NTP: No IARC: No OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards listed above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

HMIS CLASSIFICATION

Not Determined

HMIS RATING: 1

IDENTITY: Stan-Tone® HCC-23325 Aqua Green

SECTION VII - First Aid Measures**EMERGENCY AND FIRST AID PROCEDURES**

Inhalation: Move to fresh air.

Ingestion: Consult a physician.

Skin Contact: Wash with soap and water.

Eye Contact: Flush with water for 15 minutes. If irritation persists, consult a physician.

SECTION VIII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Pick or scoop up and place in suitable container for disposal

Waste Disposal Method:

In accordance with all Federal, State and Local regulations. Refer to Section X.

Precautions to be taken in handling and storing:

Keep away from excessive heat and open flame. Avoid contact with eyes, skin and clothing.

SECTION IX - Control Measures

Respiratory Protection: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV as necessary.

VENTILATION

Local Exhaust: Recommended to minimize exposure.

Mechanical (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling

IDENTITY: Stan-Tone® HCC-23325 Aqua Green

SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS: Chemical component(s) are listed on the TSCA Inventory.

SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None Known

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

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1/97

MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-21436 Gray BS

 SECTION I - Preparation/Product Information

MANUFACTURED FOR AND SUPPLIED BY:	TELEPHONE NO.: (330) 916-6300
Harwick Chemical Manufacturing Corp. 2020 Front Street Suite 106 Cuyahoga Falls, OH 44221	DATE PREPARED: September 26, 1996 PREPARER: Health, Safety, & Environment PRODUCT USE: Colorant DATE PRINTED: September 7, 2000

 SECTION II - Ingredients/Identity Information

COMPONENTS CHEMICAL IDENTITY/CAS#/UN#	EXPOSURE LIMITS PEL TLV OTHER	TOXICITY LD50/LC50	AMOUNT %
Vinyl Stopped Dimethyl Polymer CAS #Mixture-68083-19-2	Not Established		60-70
Titanium Dioxide CAS #13463-67-7 Containing Hydrated Alumina; CAS #21645-51-2 *PEL & TLV for titanium dioxide (total dust). Not likely to occur under normally accepted usages.	*15 mg/m3 *10 mg/m3	LD50 rat/oral >24,000 mg/kg	20-30
Iron Oxide CI Pigment Yellow 42, CI #77492 CAS #51274-00-1 *PEL & TLV for Iron Oxide fume. Not likely to occur under normally accepted usages. **PEL for Iron Oxide dust. Not likely to occur under normally accepted usages.	*10 mg/m3 *5 mg/m3 **10 mg/m3	LD50 rat/oral >10,000 mg/kg	1-5
Carbon Black CAS #1333-86-4 *PEL & TLV for Carbon Black	3.5 mg/m3 3.5 mg/m3		1-5
Iron Oxide CI Pigment Red 101, CI #77491 CAS #1309-37-1 *PEL & TLV for Iron Oxide fume. Not likely to occur under normally accepted usages. **PEL for Iron Oxide dust. Not likely to occur under normally accepted usages.	*10 mg/m3 *5 mg/m3 **10 mg/m3	LD50 rat/oral >10,000 mg/kg	1-5

SECTION III - Physical/Chemical Characteristics

BOILING POINT: Not Applicable	SPECIFIC GRAVITY (H2O=1): 1.26(calc.)
FREEZING POINT: Not Applicable	pH: Not Applicable
VAPOR PRESSURE (mm Hg): Not Applicable	ODOR THRESHOLD (ppm): Not Determined
VAPOR DENSITY (AIR=1): Not Applicable	COEF. WATER/OIL DIST.: Not Determined
SOLUBILITY IN WATER: Negligible	EVAPORATION RATE: Not Applicable
APPEARANCE (PHYSICAL STATE) AND ODOR: Solid; Gray Odor; Slight	

SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Determined

EXTINGUISHING MEDIA: Chemical foam, dry chemical, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HMIS RATING: 1

FLAMMABLE LIMITS LEL: Not Applicable
UEL: Not Applicable

AUTOIGNITION TEMPERATURE: Not Determined

SENS. TO MECHANICAL IMPACT: Not Applicable

SENS. TO STATIC DISCHARGE: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, SOx, Formaldehyde. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF in atmospheres which contain oxygen.

SECTION V - Reactivity Data

STABILITY
STABLE: X
UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): Temperatures >131oF.

INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, small amounts of sulfur containing gases, SOx, Formaldehyde. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF in atmospheres which contain oxygen.

HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

SECTION VI - Health Hazard Data

PRIMARY ROUTES OF EXPOSURE

INHALATION: X

SKIN CONTACT: X

SKIN ABSORPTION:

INGESTION:

EYE CONTACT: X

HEALTH HAZARDS

ACUTE: Ingestion may result in gastric disturbances.

CHRONIC: Chronic inflammation, lung fibrosis and lung tumors were found in rats experimentally exposed for long periods of time to excessive concentrations of carbon black. Epidemiological studies of workers exposed to carbon black have shown no significant health effects due to occupational exposure.

CARCINOGENICITY Carbon Black

NTP: No

IARC: Yes, 2B(Known animal carcinogen, possible human carcinogen)

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

OECD TEST VALUES FOR:

IRRITANCY: Not Determined

REPRODUCTIVE TOXICITY: Not Determined

SENSITIZATION: Not Determined

TERATOGENICITY: Not Determined

MUTAGENICITY: Not Determined

SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 1*

SECTION VII - First Aid Measures

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move to fresh air.

INGESTION: Consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a physician.

SECTION VIII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Prevent additional discharge of material. Recover spilled material and place in a suitable container for recycle or disposal.

WASTE DISPOSAL METHOD: In accordance with all Federal, State, and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry, ventilated area away from heat. Avoid contact with eyes, skin, and clothing.

SECTION IX - Control Measures

RESPIRATORY PROTECTION: (Specify Type)
A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

VENTILATION

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses or goggles for dusty conditions.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling. Launder contaminated clothing before reuse. Observe good personal and industrial hygiene practices.

SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA Inventory.

SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None Known

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None

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Harwick Chemical Manufacturing Corporation

a business unit of M.A. Hanna Company

MATERIAL SAFETY DATA SHEET

(b) (4)



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(b) (4)



(b) (4)



(b) (4)



M A T E R I A L S A F E T Y D A T A S H E E T

IDENTITY: Stan-Tone® HCC-21466 Silver

 S E C T I O N I - Preparation/Product Information

MANUFACTURED FOR AND SUPPLIED BY:	TELEPHONE NUMBER: (330) 916-6300
Harwick Chemical Manufacturing Corp.	DATE PREPARED: October 14, 1997
2020 Front Street	PREPARER: Health, Safety, & Environment
Suite 106	PRODUCT USE: Colorant
Cuyahoga Falls, OH 44221	DATE PRINTED: June 17, 1998

 S E C T I O N I I - Ingredients/Identity Information

<u>COMPONENTS</u> CHEMICAL IDENTITY/CAS#/UN#	<u>EXPOSURE LIMITS</u>			<u>TOXICITY</u>	<u>AMOUNT</u>
	PEL	TLV	OTHER	LD50/LC50	%
Vinylpolydimethylsiloxane CAS #68083-19-2	Not Established				60-70
Aluminum Foil CAS #7429-90-5	*15 mg/m ³ **5 mg/m ³	*10 mg/m ³			20-30
*PEL & TLV for total dust.					
**PEL for respirable dust.					

 S E C T I O N I I I - Physical/Chemical Characteristics

BOILING POINT: Not Determined	SPECIFIC GRAVITY (H ₂ O=1): 1.21(calc.)
FREEZING POINT: Not Determined	pH: Not Determined
VAPOR PRESSURE (mm Hg): Not Determined	ODOR THRESHOLD (ppm): Not Determined
VAPOR DENSITY (AIR=1): Not Determined	COEF. WATER/OIL DIST.: Not Determined
SOLUBILITY IN WATER: Insoluble	EVAPORATION RATE: Not Determined
APPEARANCE (PHYSICAL STATE) AND ODOR: Paste; Silver	
	Odor; None

S E C T I O N I V - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Determined

EXTINGUISHING MEDIA: All standard fire fighting media.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HMIS RATING: 1

FLAMMABLE LIMITS LEL: Not Determined
UEL: Not Determined

AUTOIGNITION TEMPERATURE: Not Determined
SENS. TO MECHANICAL IMPACT: Not Determined
SENS. TO STATIC DISCHARGE: Not Determined
HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide and formaldehyde.

S E C T I O N V - Reactivity Data

STABILITY

STABLE: X
UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): None Known

INCOMPATIBILITY (Materials to Avoid): None Known

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, silicon dioxide and formaldehyde.

HAZARDOUS POLYMERIZATION

MAY OCCUR:
WILL NOT OCCUR: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

S E C T I O N V I - Health Hazard Data

PRIMARY ROUTES OF EXPOSURE

INHALATION: X SKIN CONTACT: X
SKIN ABSORPTION: INGESTION: EYE CONTACT: X

HEALTH HAZARDS

ACUTE: May cause eye and respiratory tract irritation.

CHRONIC: None Known

CARCINOGENICITY

NTP: No IARC: No OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

OECD TEST VALUES FOR:

IRRITANCY: Not Determined REPRODUCTIVE TOXICITY: Not Determined
SENSITIZATION: Not Determined TERATOGENICITY: Not Determined
MUTAGENICITY: Not Determined

SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 1

S E C T I O N V I I - First Aid Measures

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move to fresh air.

INGESTION: Consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a physician.

SECTION VIII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wipe, scrape, or soak up in an inert material and put in a suitable container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard.

WASTE DISPOSAL METHOD: In accordance with all Federal, State, and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid contact with eyes, skin, and clothing.

SECTION IX - Control Measures

RESPIRATORY PROTECTION: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

VENTILATION

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety Glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash Station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling. Launder contaminated clothing before reuse.

S E C T I O N X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA Inventory.

SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None Known

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None

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Harwick Chemical Manufacturing Corporation

a business unit of M.A. Hanna Company

MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-22686 Hilite Blue

SECTION I - Preparation / Product Information

MANUFACTURED FOR AND SUPPLIED BY
Harwick Chemical Manufacturing Corporation
2020 Front Street
Suite 106
Cuyahoga Falls, Ohio 44221

TELEPHONE NO: (330) 916-6300
DATE PREPARED: June 17, 1998
PREPARER: Environmental, Health & Safety Dept.
PRODUCT USE: Colorant

SECTION II - Ingredients / Identity Information

COMPONENTS		EXPOSURE LIMITS	TOXICITY	AMT
CHEMICAL IDENTITY	CAS # / UN #	PEL / TLV / OTHER	LD50 / LC50	%
Vinylpolydimethylsiloxane	68083-19-2	Not Established		60-70
Titanium dioxide (rutile) and Mica blend with Chromium Hydroxide *PEL & TLV for Mica (respirable dust) **PEL & TLV for titanium dioxide	1317-80-2/ 12001-26-2/ 1308-14-1	*3 mg/m3 *3 mg/m3 **10 mg/m3**10 mg/m3		30-40

SECTION III - Physical / Chemical Characteristics

BOILING POINT:	Not Applicable	SPECIFIC GRAVITY (H ₂ O=1):	1.30 (calc.)
FREEZING POINT:	Not Applicable	pH:	Not Applicable
VAPOR PRESSURE (mm Hg):	Not Applicable	ODOR THRESHOLD (ppm):	Not Determined
VAPOR DENSITY (AIR=1):	Not Applicable	COEF. WATER / OIL DIST.:	Not Applicable
SOLUBILITY IN WATER:	Insoluble	EVAPORATION RATE:	Not Applicable
APPEARANCE (PHYSICAL STATE) AND ODOR:		Paste;Blue Odor;Slight	

IDENTITY: Stan-Tone® HCC-22686 Hilite Blue

SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Applicable

EXTINGUISHING MEDIA: Water, dry chemical, chemical foam, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Use self contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Emits toxic fumes under fire conditions.

HMIS RATING: 1

FLAMMABLE LIMITS LEL: Not Applicable
UEL: Not Applicable

AUTOIGNITION TEMPERATURE: Not Applicable

SENS. TO MECHANICAL IMPACT: Not Applicable

SENS. TO STATIC DISCHARGE: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide, formaldehyde

SECTION V - Reactivity Data

STABILITY

Stable X
Unstable

CONDITIONS TO AVOID (Condition of Reactivity): None Known

INCOMPATIBILITY (Materials to Avoid): None Known

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SOx, formaldehyde

HAZARDOUS POLYMERIZATION

May Occur:

Will Not Occur: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

IDENTITY: Stan-Tone® HCC-22686 Hilite Blue

SECTION VI - Health Hazard Data**PRIMARY ROUTE OF EXPOSURE**

Inhalation: X Skin Contact: X
Skin Absorption: Ingestion: Eye Contact: X

HEALTH HAZARDS

Acute: May cause eye and skin irritation. Persistent cough, possible difficulty in breathing when inhaled.

Chronic: None Known

CARCINOGEN:

NTP: No IARC: No OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards listed above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

WHMIS CLASSIFICATION

Not Determined

HMIS RATING: 1

SECTION VII - First Aid Measures**EMERGENCY AND FIRST AID PROCEDURES**

Inhalation: Move to fresh air.

Ingestion: Consult a physician.

Skin Contact: Wash with soap and water.

Eye Contact: Flush with water for 15 minutes. If irritation persists, consult a physician.

SECTION VIII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Pick up or scoop up and place in suitable container for disposal

Waste Disposal Method:

In accordance with all Federal, State and Local regulations. Refer to Section X.

Precautions to be taken in handling and storing:

Keep away from excessive heat and open flame. Avoid contact with eyes, skin and clothing.

IDENTITY: Stan-Tone® HCC-22686 Hilite Blue

SECTION IX - Control Measures**Respiratory Protection: (Specify Type)**

A NIOSH/MSHA approved respirator above PEL or TLV as necessary.

VENTILATION

Local Exhaust: Recommended to minimize exposure.

Mechanical (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling

SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS: Chemical component(s) are listed on the TSCA Inventory.

SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

Titanium dioxide (rutile) and Mica blend (chromium compounds) 30-40%
with Chromium Hydroxide
CAS # 1317-80-2/12001-26-2/1308-14-1

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

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1/97

Harwick Chemical Manufacturing Corporation

a business unit of M.A. Hanna Company

MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-22687 Hilite Russet

SECTION I - Preparation / Product Information

MANUFACTURED FOR AND SUPPLIED BY
Harwick Chemical Manufacturing Corporation
2020 Front Street
Suite 106
Cuyahoga Falls, Ohio 44221

TELEPHONE NO: (330) 916-6300
DATE PREPARED: June 17, 1998
PREPARER: Environmental, Health & Safety Dept.
PRODUCT USE: Colorant

SECTION II - Ingredients / Identity Information

COMPONENTS		EXPOSURE LIMITS	TOXICITY	AMT
CHEMICAL IDENTITY	CAS # / UN #	PEL / TLV / OTHER	LD50 / LC50	%
Vinylpolydimethylsiloxane	68083-19-2	Not Established		60-70
Mica and Iron Oxide	12001-26-2/	*3 mg/m ³ *3 mg/m ³		30-40
blend with Titanium	1309-37-1/	**10 mg/m ³ **5 mg/m ³		
Dioxide and Chromium	13463-67-7/	***10 mg/m ³ ***10 mg/m ³		
Hydroxide	1308-14-1	****0.1 mg/m ³ ****0.1 mg/m ³		
*PEL & TLV for respirable dust Mica				
**PEL & TLV for total dust as Fe				
***PEL & TLV for total dust titanium dioxide				
****PEL & TLV as Cr				

SECTION III - Physical / Chemical Characteristics

BOILING POINT:	Not Applicable	SPECIFIC GRAVITY (H ₂ O=1):	1.31 (calc.)
FREEZING POINT:	Not Applicable	pH:	Not Applicable
VAPOR PRESSURE (mm Hg):	Not Applicable	ODOR THRESHOLD (ppm):	Not Determined
VAPOR DENSITY (AIR=1):	Not Applicable	COEF. WATER / OIL DIST.:	Not Applicable
SOLUBILITY IN WATER:	Insoluble	EVAPORATION RATE:	Not Applicable
APPEARANCE (PHYSICAL STATE) AND ODOR:		Paste; Russet	
		Odor; Slight	

SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Applicable

EXTINGUISHING MEDIA: Water, dry chemical, chemical foam, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Wear self contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HMIS RATING: 1

FLAMMABLE LIMITS' LEL: Not Applicable
UEL: Not Applicable

AUTOIGNITION TEMPERATURE: Not Applicable

SENS. TO MECHANICAL IMPACT: Not Applicable

SENS. TO STATIC DISCHARGE: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide, formaldehyde

SECTION V - Reactivity Data

STABILITY

Stable X

Unstable

CONDITIONS TO AVOID (Condition of Reactivity): None Known

INCOMPATIBILITY (Materials to Avoid): None Known

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SOx, formaldehyde

HAZARDOUS POLYMERIZATION

May Occur:

Will Not Occur: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

SECTION VI - Health Hazard Data**PRIMARY ROUTE OF EXPOSURE**

Inhalation: Skin Contact:
Skin Absorption: Ingestion: Eye Contact: X

HEALTH HAZARDS

Acute: May cause eye and skin irritation. Persistent cough, possible difficulty in breathing if inhaled.

Chronic: None Known

CARCINOGEN:

NTP: No IARC: No OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards listed above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

WHMIS CLASSIFICATION

Not Determined

HMIS RATING: 1

SECTION VII - First Aid Measures**EMERGENCY AND FIRST AID PROCEDURES**

Inhalation: Move to fresh air.
Ingestion: Consult a physician.
Skin Contact: Wash with soap and water.
Eye Contact: Flush with water for 15 minutes. If irritation persists, consult a physician.

SECTION VIII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:
Pick or scoop up and place in suitable container for disposal

Waste Disposal Method:
In accordance with all Federal, State and Local regulations. Refer to Section X.

Precautions to be taken in handling and storing:
Keep away from excessive heat and open flame. Avoid contact with eyes, skin and clothing.

SECTION IX - Control Measures**Respiratory Protection: (Specify Type)**

A NIOSH/MSHA approved respirator above PEL or TLV as necessary.

VENTILATION

Local Exhaust: Recommended to minimize exposure.

Mechanical (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling

SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS: Chemical component(s) are listed on the TSCA Inventory.

SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

Chromium Hydroxide (chromium compounds)

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON DATA THAT IS ACCURATE AND RELIABLE TO THE BEST OF HARWICK'S KNOWLEDGE AND BELIEF. HARWICK MAKES NO WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE GOODS OR USE OF THE GOODS OR THE PERFORMANCE OF THE GOODS AND MAKES NO WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. IN NO EVENT SHALL HARWICK BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL, DIRECT OR SPECIAL DAMAGES ARISING, DIRECTLY OR INDIRECTLY, IN RESPECT TO SUCH GOODS OR THE USE OR FAILURE THEREOF, WHETHER BASED ON BREACH OF WARRANTY, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE.

1/97

M A T E R I A L S A F E T Y D A T A S H E E T

IDENTITY: Stan-Tone® HCC-22699 Glo Yellow*****
S E C T I O N I - Preparation/Product Information

MANUFACTURED FOR AND SUPPLIED BY:

TELEPHONE NUMBER: (330) 916-6300

Harwick Chemical Manufacturing Corp.
2020 Front Street
Suite 106
Cuyahoga Falls, OH 44221

DATE PREPARED: October 27, 1997

PREPARER: Health, Safety, & Environment

PRODUCT USE: Colorant

DATE PRINTED: August 27, 1998

S E C T I O N I I - Ingredients/Identity Information

COMPONENTS CHEMICAL IDENTITY/CAS#/UN#	EXPOSURE LIMITS			TOXICITY LD50/LC50	AMOUNT %
	PEL	TLV	OTHER		
Zinc Sulfide, Copper Doped and Dyed Benzoguanamine-Formaldehyde Resin CAS #68611-70-1/26160-89-4 *PEL & TLV for total nuisance dust.	*15 mg/m ³	*10 mg/m ³		LD50 rat/oral >16,000 mg/kg	60-70
Vinylpolydimethylsiloxane CAS #68083-19-2		Not Established			30-40

S E C T I O N I I I - Physical/Chemical Characteristics

BOILING POINT: Not Determined	SPECIFIC GRAVITY (H ₂ O=1): 1.95 (calc.)
FREEZING POINT: Not Determined	pH: Not Determined
VAPOR PRESSURE (mm Hg): Not Determined	ODOR THRESHOLD (ppm): Not Determined
VAPOR DENSITY (AIR=1): Not Determined	COEF. WATER/OIL DIST.: Not Determined
SOLUBILITY IN WATER: Insoluble	EVAPORATION RATE: Not Determined
APPEARANCE (PHYSICAL STATE) AND ODOR: Paste; Yellow	
Odor: None	

SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Determined

EXTINGUISHING MEDIA: All standard fire fighting media.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HMIS RATING: 1

FLAMMABLE LIMITS LEL: Not Determined
UEL: Not Determined

AUTOIGNITION TEMPERATURE: Not Determined

SENS. TO MECHANICAL IMPACT: Not Determined

SENS. TO STATIC DISCHARGE: Not Determined

HAZARDOUS COMBUSTION PRODUCTS: COx, SOx, SiO₂, hydrogen sulfide gas, ZnO and formaldehyde.*****
SECTION V - Reactivity Data
*****STABILITY

STABLE: X

UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): Heat can release toxic fumes of hydrogen sulfide gas on contact with moisture or acid.

INCOMPATIBILITY (Materials to Avoid): Acid

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SiO₂, hydrogen sulfide gas, ZnO, SOx, and formaldehyde.HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

SECTION VI - Health Hazard Data
*****PRIMARY ROUTES OF EXPOSUREINHALATION: X
SKIN ABSORPTION:SKIN CONTACT: X
INGESTION:

EYE CONTACT: X

HEALTH HAZARDS

ACUTE: May cause irritation to eyes and skin. Zinc sulfide, copper doped and dyed benzoguanamine-formaldehyde resin may cause irritation to the mucous membranes.

CHRONIC: None Known

CARCINOGENICITY

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: zinc sulfide, copper doped and dyed benzoguanamine-formaldehyde resin may cause respiratory problems

OECD TEST VALUES FOR:IRRITANCY: Not Determined
SENSITIZATION: Not Determined
MUTAGENICITY: Not DeterminedREPRODUCTIVE TOXICITY: Not Determined
TERATOGENICITY: Not Determined

SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 1

SECTION VII - First Aid Measures
*****EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move to fresh air.

INGESTION: Consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a physician.

S E C T I O N V I I I - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wipe, scrape, or soak up in an inert material and put in a suitable container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard.

WASTE DISPOSAL METHOD: In accordance with all Federal, State, and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid contact with eyes, skin, and clothing.

S E C T I O N I X - Control Measures

RESPIRATORY PROTECTION: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

VENTILATION

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety Glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash Station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling. Launder contaminated clothing before reuse.

S E C T I O N X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA Inventory.

SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None Known

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None

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1/97

Harwick Chemical Manufacturing Corporation

a business unit of M.A. Hanna Company

MATERIAL SAFETY DATA SHEET**IDENTITY:** Stan-Tone® HCC-22700 Glo-Red**SECTION I - Preparation / Product Information**

MANUFACTURED FOR AND SUPPLIED BY
Harwick Chemical Manufacturing Corporation
2020 Front Street
Suite 106
Cuyahoga Falls, Ohio 44221

TELEPHONE NO: (330) 916-6300
DATE PREPARED: August 27, 1998
PREPARER: Environmental, Health & Safety Dept.
PRODUCT USE: Colorant

SECTION II - Ingredients / Identity Information

COMPONENTS		EXPOSURE LIMITS	TOXICITY	AMT
CHEMICAL IDENTITY	CAS # / UN #	PEL / TLV / OTHER	LD50 / LC50	%
Vinylpolydimethylsiloxane	68083-19-2	Not Established		30-40
Silane, dimethyldichloro, reaction product with silica	68611-44-9	Not Established	LD50 rat/ oral > 5,000 mg/kg	.1-1
Zinc Sulfide, Copper Doped and Dyed Benzoguanamine- Formaldehyde Resin *Total dust	68611-70-1/ 26160-89-4	*15 mg/m ³ *10 mg/m ³	LD50 rat/oral > 16,000 mg/kg	60-70

SECTION III - Physical / Chemical Characteristics

BOILING POINT:	Not Applicable	SPECIFIC GRAVITY (H₂O = 1):	1.95 (calc.)
FREEZING POINT:	Not Applicable	pH:	Not Applicable
VAPOR PRESSURE (mm Hg):	Not Applicable	ODOR THRESHOLD (ppm):	Not Determined
VAPOR DENSITY (AIR = 1):	Not Applicable	COEF. WATER / OIL DIST.:	Not Applicable
SOLUBILITY IN WATER:	Insoluble	EVAPORATION RATE:	Not Applicable
APPEARANCE (PHYSICAL STATE) AND ODOR:		Paste; Red Odor; Slight	

SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Applicable

EXTINGUISHING MEDIA: Water, dry chemical, chemical foam, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Use self contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HMIS RATING: 1

IDENTITY: Stan-Tone® HCC-22700 Glo-Red

FLAMMABLE LIMITS LEL: Not Applicable
UEL: Not Applicable

AUTOIGNITION TEMPERATURE: Not Applicable
SENS. TO MECHANICAL IMPACT: Not Applicable
SENS. TO STATIC DISCHARGE: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide, formaldehyde, Hydrogen sulfide gas, ZnO, SO2

SECTION V - Reactivity Data**STABILITY**

Stable X
Unstable

CONDITIONS TO AVOID (Condition of Reactivity): Heat can release toxic fumes of hydrogen sulfide gas on contact with moisture or acid.

INCOMPATIBILITY (Materials to Avoid): Acids

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SOx, formaldehyde, Hydrogen sulfide gas, ZnO, SO2

HAZARDOUS POLYMERIZATION

May Occur:
Will Not Occur: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

SECTION VI - Health Hazard Data**PRIMARY ROUTE OF EXPOSURE**

Inhalation: Skin Contact: X
Skin Absorption: Ingestion: Eye Contact: X

HEALTH HAZARDS

Acute: May cause eye and skin irritation.

Chronic: None Known

CARCINOGEN:

NTP: No IARC: No OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards listed above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

WHMIS CLASSIFICATION
Not Determined

HMIS RATING: 1

IDENTITY: Stan-Tone® HCC-22700 Glo-Red

SECTION VII - First Aid Measures**EMERGENCY AND FIRST AID PROCEDURES****Inhalation:** Move to fresh air.**Ingestion:** Consult a physician.**Skin Contact:** Wash with soap and water.**Eye Contact:** Flush with water for 15 minutes. If irritation persists, consult a physician.**SECTION VIII - Precautions for Safe Handling and Use****Steps to be taken in case material is released or spilled:**

Pick or scoop up and place in suitable container for disposal

Waste Disposal Method:

In accordance with all Federal, State and Local regulations. Refer to Section X.

Precautions to be taken in handling and storing:

Keep away from excessive heat and open flame. Avoid contact with eyes, skin and clothing.

SECTION IX - Control Measures**Respiratory Protection: (Specify Type)**

A NIOSH/MSHA approved respirator above PEL or TLV as necessary.

VENTILATION**Local Exhaust:** Recommended to minimize exposure.**Mechanical (General):** Recommended to minimize exposure.**PROTECTIVE GLOVES:** Impervious**EYE PROTECTION:** Safety glasses**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Eyewash station**WORK/HYGIENIC PRACTICES:** Wash thoroughly after handling

IDENTITY: Stan-Tone® HCC-22700 Glo-Red

SECTION X - Additional Information**SPECIAL SHIPPING INFORMATION:** Not Available**TSCA INVENTORY STATUS:** Chemical component(s) are listed on the TSCA Inventory.**SARA TITLE III:**

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

Zinc Sulfide, Copper Doped and (Zinc and Copper compounds) 60-70%
Dyed Benzoguanamine-Formaldehyde Resin contains

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

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1/97

Harwick Chemical Manufacturing Corporation

a business unit of M.A. Hanna Company

MATERIAL SAFETY DATA SHEET**IDENTITY:** Stan-Tone® HCC-22701 Glo-Orange**SECTION I - Preparation / Product Information**

MANUFACTURED FOR AND SUPPLIED BY
Harwick Chemical Manufacturing Corporation
2020 Front Street
Suite 106
Cuyahoga Falls, Ohio 44221

TELEPHONE NO: (330) 916-6300
DATE PREPARED: August 27, 1998
PREPARER: Environmental, Health & Safety Dept.
PRODUCT USE: Colorant

SECTION II - Ingredients / Identity Information

COMPONENTS		EXPOSURE LIMITS	TOXICITY	AMT
CHEMICAL IDENTITY	CAS # / UN #	PEL / TLV / OTHER	LD50 / LC50	%
Vinylpolydimethylsiloxane	68083-19-2	Not Established		30-40
Silane, dimethyldichloro, reaction product with silica	68611-44-9	Not Established	LD50 rat/ oral > 5,000 mg/kg	.1-1
Zinc Sulfide, Copper Manganese doped with Benzoguanamine Resin *Total dust	68585-91-1/ 26160-89-4	*15 mg/m ³ *10 mg/m ³	LD50 rat/oral > 16,000 mg/kg	60-70

SECTION III - Physical / Chemical Characteristics

BOILING POINT:	Not Applicable	SPECIFIC GRAVITY (H₂O = 1):	1.63 (calc.)
FREEZING POINT:	Not Applicable	pH:	Not Applicable
VAPOR PRESSURE (mm Hg):	Not Applicable	ODOR THRESHOLD (ppm):	Not Determined
VAPOR DENSITY (AIR = 1):	Not Applicable	COEF. WATER / OIL DIST.:	Not Applicable
SOLUBILITY IN WATER:	Insoluble	EVAPORATION RATE:	Not Applicable
APPEARANCE (PHYSICAL STATE) AND ODOR:		Paste; Orange	
		Odor; Slight	

SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Applicable

EXTINGUISHING MEDIA: Water, dry chemical, chemical foam, CO₂

SPECIAL FIRE FIGHTING PROCEDURES: Use self contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HMIS RATING: 1

IDENTITY: Stan-Tone® HCC-22701 Glo-Orange

FLAMMABLE LIMITS LEL: Not Applicable
UEL: Not Applicable

AUTOIGNITION TEMPERATURE: Not Applicable
SENS. TO MECHANICAL IMPACT: Not Applicable
SENS. TO STATIC DISCHARGE: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide, formaldehyde, Hydrogen sulfide gas, ZnO, SO2

SECTION V - Reactivity Data**STABILITY**

Stable X
Unstable

CONDITIONS TO AVOID (Condition of Reactivity): Heat can release toxic fumes of hydrogen sulfide gas on contact with moisture or acid.

INCOMPATIBILITY (Materials to Avoid): Acids

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SOx, formaldehyde, Hydrogen sulfide gas, ZnO, SO2

HAZARDOUS POLYMERIZATION

May Occur:
Will Not Occur: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

SECTION VI - Health Hazard Data**PRIMARY ROUTE OF EXPOSURE**

Inhalation: Skin Contact:
Skin Absorption: Ingestion: Eye Contact: X

HEALTH HAZARDS

Acute: May cause eye and skin irritation.

Chronic: None Known

CARCINOGEN:

NTP: No IARC: No OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards listed above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

HMIS CLASSIFICATION

Not Determined

HMIS RATING: 1

IDENTITY: Stan-Tone® HCC-22701 Glo-Orange

SECTION VII - First Aid Measures**EMERGENCY AND FIRST AID PROCEDURES**

Inhalation: Move to fresh air.

Ingestion: Consult a physician.

Skin Contact: Wash with soap and water.

Eye Contact: Flush with water for 15 minutes. If irritation persists, consult a physician.

SECTION VIII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Pick or scoop up and place in suitable container for disposal

Waste Disposal Method:

In accordance with all Federal, State and Local regulations. Refer to Section X.

Precautions to be taken in handling and storing:

Keep away from excessive heat and open flame. Avoid contact with eyes, skin and clothing.

SECTION IX - Control Measures

Respiratory Protection: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV as necessary.

VENTILATION

Local Exhaust: Recommended to minimize exposure.

Mechanical (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling

IDENTITY: Stan-Tone® HCC-22701 Glo-Orange

SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS: Chemical component(s) are listed on the TSCA Inventory.

SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

Zinc Sulfide, Copper Manganese doped (Zinc, Manganese and Copper compounds) 60-70%
with Benzoguanamine Resin

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

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1/97

Harwick Chemical Manufacturing Corporation

a business unit of M.A. Hanna Company

MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-22702 Glo-Green

SECTION I - Preparation / Product Information

MANUFACTURED FOR AND SUPPLIED BY
Harwick Chemical Manufacturing Corporation
2020 Front Street
Suite 106
Cuyahoga Falls, Ohio 44221

TELEPHONE NO: (330) 916-6300
DATE PREPARED: August 27, 1998
PREPARER: Environmental, Health & Safety Dept.
PRODUCT USE: Colorant

SECTION II - Ingredients / Identity Information

COMPONENTS		EXPOSURE LIMITS	TOXICITY	AMT
CHEMICAL IDENTITY	CAS # / UN #	PEL / TLV / OTHER	LD50 / LC50	%
Vinylpolydimethylsiloxane	68083-19-2	Not Established		30-40
Silane, dimethyldichloro, reaction product with silica	68611-44-9	Not Established	LD50 rat/ oral > 5,000 mg/kg	.1-1
Zinc Sulfide Copper Chloride-Doped *total dust	68611-70-1	*15 mg/m ³ *10 mg/m ³	LD50 rat/oral > 16,000 mg/kg	60-70

SECTION III - Physical / Chemical Characteristics

BOILING POINT:	Not Applicable	SPECIFIC GRAVITY (H ₂ O = 1):	1.95 (calc.)
FREEZING POINT:	Not Applicable	pH:	Not Applicable
VAPOR PRESSURE (mm Hg):	Not Applicable	ODOR THRESHOLD (ppm):	Not Determined
VAPOR DENSITY (AIR = 1):	Not Applicable	COEF. WATER / OIL DIST.:	Not Applicable
SOLUBILITY IN WATER:	Insoluble	EVAPORATION RATE:	Not Applicable
APPEARANCE (PHYSICAL STATE) AND ODOR:		Paste; Green Odor; Slight	

SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Applicable

EXTINGUISHING MEDIA: Water, dry chemical, chemical foam, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Use self contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Heat can release toxic fumes of Hydrogen sulfide gas on contact with moisture or acid.

HMS RATING: 1

IDENTITY: Stan-Tone® HCC-22702 Glo-Green

FLAMMABLE LIMITS LEL: Not Applicable
UEL: Not Applicable

AUTOIGNITION TEMPERATURE: Not Applicable

SENS. TO MECHANICAL IMPACT: Not Applicable

SENS. TO STATIC DISCHARGE: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide, formaldehyde, Hydrogen sulfide gas, ZnO, SO2

SECTION V - Reactivity Data**STABILITY**

Stable X
Unstable

CONDITIONS TO AVOID (Condition of Reactivity): Heat can release toxic fumes of hydrogen sulfide gas on contact with moisture or acid.

INCOMPATIBILITY (Materials to Avoid): Acids

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SOx, formaldehyde, Hydrogen sulfide gas, ZnO, SO2

HAZARDOUS POLYMERIZATION

May Occur:
Will Not Occur: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

SECTION VI - Health Hazard Data**PRIMARY ROUTE OF EXPOSURE**

Inhalation: Skin Contact:
Skin Absorption: Ingestion: Eye Contact: X

HEALTH HAZARDS

Acute: May cause eye and skin irritation.

Chronic: None Known

CARCINOGEN:

NTP: No IARC: No OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards listed above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

WHMIS CLASSIFICATION

Not Determined

HMIS RATING: 1

IDENTITY: Stan-Tone® HCC-22702 Glo-Green

SECTION VII - First Aid Measures**EMERGENCY AND FIRST AID PROCEDURES****Inhalation:** Move to fresh air.**Ingestion:** Consult a physician.**Skin Contact:** Wash with soap and water.**Eye Contact:** Flush with water for 15 minutes. If irritation persists, consult a physician.**SECTION VIII - Precautions for Safe Handling and Use****Steps to be taken in case material is released or spilled:**

Pick or scoop up and place in suitable container for disposal

Waste Disposal Method:

In accordance with all Federal, State and Local regulations. Refer to Section X.

Precautions to be taken in handling and storing:

Keep away from excessive heat and open flame. Avoid contact with eyes, skin and clothing.

SECTION IX - Control Measures**Respiratory Protection: (Specify Type)**

A NIOSH/MSHA approved respirator above PEL or TLV as necessary.

VENTILATION**Local Exhaust:** Recommended to minimize exposure.**Mechanical (General):** Recommended to minimize exposure.**PROTECTIVE GLOVES:** Impervious**EYE PROTECTION:** Safety glasses**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Eyewash station**WORK/HYGIENIC PRACTICES:** Wash thoroughly after handling

IDENTITY: Stan-Tone® HCC-22702 Glo-Green

SECTION X - Additional Information**SPECIAL SHIPPING INFORMATION:** Not Available**TSCA INVENTORY STATUS:** Chemical component(s) are listed on the TSCA Inventory.**SARA TITLE III:**

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

Zinc Sulfide Copper Chloride-Doped (Zinc Compound)

60-70%

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

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1/97

M A T E R I A L S A F E T Y D A T A S H E E T

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(b) (4)



MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-21415 Black

SECTION I - Preparation/Product Information

MANUFACTURED FOR AND SUPPLIED BY:

Harwick Chemical Manufacturing Corp.
2020 Front Street
Suite 106
Cuyahoga Falls, OH 44221

TELEPHONE NO.: (330) 916-6300

DATE PREPARED: September 5, 1996

PREPARER: Health, Safety, & Environment

PRODUCT USE: Colorant

DATE PRINTED: September 7, 2000

SECTION II - Ingredients/Identity Information

COMPONENTS CHEMICAL IDENTITY/CAS#/UN#	EXPOSURE LIMITS PEL TLV OTHER	TOXICITY LD50/LC50	AMOUNT %
Vinyl Stopped Dimethyl Polymer CAS #Mixture-68083-19-2	Not Established		90-100
Carbon Black CAS #1333-86-4	3.5 mg/m3 3.5 mg/m3		5-10

SECTION III - Physical/Chemical Characteristics

BOILING POINT: Not Applicable	SPECIFIC GRAVITY (H2O=1): 1.00(calc.)
FREEZING POINT: Not Applicable	pH: Not Applicable
VAPOR PRESSURE (mm Hg): Not Applicable	ODOR THRESHOLD (ppm): Not Determined
VAPOR DENSITY (AIR=1): Not Applicable	COEF. WATER/OIL DIST.: Not Determined
SOLUBILITY IN WATER: Negligible	EVAPORATION RATE: Not Applicable
APPEARANCE (PHYSICAL STATE) AND ODOR: Solid; Black Odor; Slight	

SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Determined

EXTINGUISHING MEDIA: Foam, dry chemical or water spray

SPECIAL FIRE FIGHTING PROCEDURES: None Known

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HMIS RATING: 1

FLAMMABLE LIMITS LEL: Not Applicable
UEL: Not Applicable

AUTOIGNITION TEMPERATURE: Not Determined

SENS. TO MECHANICAL IMPACT: Not Applicable

SENS. TO STATIC DISCHARGE: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, Silicon Dioxide, small amounts of sulfur containing gases.
Formaldehyde-this product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF and above in atmospheres which contains oxygen.

SECTION V - Reactivity Data

STABILITY

STABLE: X

UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): None Known

INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, small amounts of sulfur containing gases. SOx,
formaldehyde-this product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF and above in atmospheres which contains oxygen.

HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

SECTION VI - Health Hazard Data

PRIMARY ROUTES OF EXPOSURE

INHALATION: SKIN CONTACT: X
SKIN ABSORPTION: INGESTION: EYE CONTACT: X

HEALTH HAZARDS

ACUTE: May cause mild skin and eye irritation.

CHRONIC: Chronic inflammation, lung fibrosis and lung tumors were found in rats experimentally exposed for long periods of time to excessive concentrations of carbon black. Epidemiological studies of workers exposed to carbon black have shown no significant health effects due to occupational exposure.

CARCINOGENICITY Carbon Black

NTP: No IARC: Yes, 2B(Known animal carcinogen, possible human carcinogen) OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

OECD TEST VALUES FOR:

IRRITANCY: Not Determined REPRODUCTIVE TOXICITY: Not Determined
SENSITIZATION: Not Determined TERATOGENICITY: Not Determined
MUTAGENICITY: Not Determined

SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 1*

SECTION VII - First Aid Measures

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move to fresh air.

INGESTION: Consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a physician.

SECTION VIII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Prevent additional discharge of material. Recover spilled material and place in a suitable container for recycle or disposal.

WASTE DISPOSAL METHOD: In accordance with all Federal, State, and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry, ventilated area away from heat. Avoid contact with eyes, skin, and clothing.

SECTION IX - Control Measures

RESPIRATORY PROTECTION: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

VENTILATION

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses or goggles for dusty conditions.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling. Launder contaminated clothing before reuse. Observe good personal and industrial hygiene practices.

SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA Inventory.

SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None Known

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None

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MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-21416 White

SECTION I - Preparation/Product Information

MANUFACTURED FOR AND SUPPLIED BY:	TELEPHONE NO.: (330) 916-6300
Harwick Chemical Manufacturing Corp. 2020 Front Street Suite 106 Cuyahoga Falls, OH 44221	DATE PREPARED: September 5, 1996 PREPARER: Health, Safety, & Environment PRODUCT USE: Colorant DATE PRINTED: September 7, 2000

SECTION II - Ingredients/Identity Information

COMPONENTS CHEMICAL IDENTITY/CAS#/UN#	EXPOSURE LIMITS PEL TLV OTHER	TOXICITY LD50/LC50	AMOUNT %
Vinyl Stopped Dimethyl Polymer CAS #Mixture-68083-19-2	Not Established		50-60
Titanium Dioxide CAS #13463-67-7 Containing Hydrated alumina; CAS #21645-51-2	*15 mg/m3 *10 mg/m3	LD50 rat/oral >24,000 mg/kg	40-50

*PEL & TLV for titanium dioxide (total dust). Not likely to occur under normally accepted usages.

SECTION III - Physical/Chemical Characteristics

BOILING POINT: Not Applicable	SPECIFIC GRAVITY (H2O=1): 1.44(calc.)
FREEZING POINT: Not Applicable	pH: Not Applicable
VAPOR PRESSURE (mm Hg): Not Applicable	ODOR THRESHOLD (ppm): Not Determined
VAPOR DENSITY (AIR=1): Not Applicable	COEF. WATER/OIL DIST.: Not Determined
SOLUBILITY IN WATER: Negligible	EVAPORATION RATE: Not Applicable
APPEARANCE (PHYSICAL STATE) AND ODOR: Solid; White Odor; Slight	

SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Determined

EXTINGUISHING MEDIA: Foam, dry chemical or water spray

SPECIAL FIRE FIGHTING PROCEDURES: None Known

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HMIS RATING: 1

FLAMMABLE LIMITS LEL: Not Applicable
UEL: Not Applicable

AUTOIGNITION TEMPERATURE: Not Determined

SENS. TO MECHANICAL IMPACT: Not Applicable

SENS. TO STATIC DISCHARGE: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, small amounts of sulfur containing gases. Silicon Dioxide, formaldehyde-this product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF and above in atmospheres which contains oxygen.

SECTION V - Reactivity Data

STABILITY

STABLE: X

UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): None Known

INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, small amounts of sulfur containing gases. SOx, formaldehyde-this product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF and above in atmospheres which contains oxygen.

HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

SECTION VI - Health Hazard Data

PRIMARY ROUTES OF EXPOSURE

INHALATION: SKIN CONTACT: X
SKIN ABSORPTION: INGESTION: EYE CONTACT: X

HEALTH HAZARDS

ACUTE: May cause mild skin and eye irritation.

CHRONIC: None Known

CARCINOGENICITY

NTP: No IARC: No OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

OECD TEST VALUES FOR:

IRRITANCY: Not Determined REPRODUCTIVE TOXICITY: Not Determined
SENSITIZATION: Not Determined TERATOGENICITY: Not Determined
MUTAGENICITY: Not Determined

SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 1

SECTION VII - First Aid Measures

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move to fresh air.

INGESTION: Consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a physician.

SECTION VIII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Prevent additional discharge of material. Recover spilled material and place in a suitable container for recycle or disposal.

WASTE DISPOSAL METHOD: In accordance with all Federal, State, and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry, ventilated area away from heat. Avoid contact with eyes, skin, and clothing.

SECTION IX - Control Measures

RESPIRATORY PROTECTION: (Specify Type)
A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

VENTILATION

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses or goggles for dusty conditions.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling. Launder contaminated clothing before reuse. Observe good personal and industrial hygiene practices.

SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA Inventory.

SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None Known

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None

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M A T E R I A L S A F E T Y D A T A S H E E T

IDENTITY: Stan-Tone® HCC-21431 Red

S E C T I O N I - Preparation/Product Information

MANUFACTURED FOR AND SUPPLIED BY:	TELEPHONE NUMBER: (330) 916-6300
Harwick Chemical Manufacturing Corp.	DATE PREPARED: June 17, 1998
2020 Front Street	
Suite 106	PREPARER: Health, Safety, & Environment
Cuyahoga Falls, OH 44221	
	PRODUCT USE: Colorant
	DATE PRINTED: June 17, 1998

S E C T I O N I I - Ingredients/Identity Information

<u>COMPONENTS</u>	<u>EXPOSURE LIMITS</u>	<u>TOXICITY</u>	<u>AMOUNT</u>
CHEMICAL IDENTITY/CAS#/UN#	PEL TLV OTHER	LD50/LC50	%
Vinyl Stopped Dimethyl Polymer CAS #Mixture-68083-19-2	Not Established		70-80
Quinacridone CI Pigment Violet 19, CI #73900 CAS #1047-16-1	Not Established		10-20
Iron Oxide Magnetite CI Pigment Black 11, CI #77499 CAS #12227-89-3	Not Established	LD50 rat/oral >10,000 mg/kg	5-10
Titanium Dioxide CI Pigment White #6, CI #77891 CAS #13463-67-7	*15 mg/m ³ *10 mg/m ³	LD50 rat/oral >25 g/kg	1-5
Containing Hydrated alumina; CAS #21645-51-2			
*PEL & TLV for titanium dioxide (total dust).			
Iron Oxide CI Pigment Yellow 42, CI #77492 CAS #51274-00-1	*10 mg/m ³ *5 mg/m ³ **10 mg/m ³	LD50 rat/oral >10,000 mg/kg	1-5
*PEL & TLV for Iron Oxide fume. Not likely to occur under normally accepted usages.			
**PEL for Iron Oxide dust. Not likely to occur under normally accepted usages.			
Iron Oxide CI Pigment Yellow 110 CAS #5590-18-1	Not Established	LD50 rat/oral >5,000 mg/kg LC50 rat/inhl >1,000 mg/kg (4hrs)	1-5

SECTION III - Physical/Chemical Characteristics

 SECTION IV - Fire and Explosion Hazard Data

 SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Determined

EXTINGUISHING MEDIA: Chemical foam, dry chemical, CO₂

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Treat as a flammable dust in the finely divided and suspended state.

HMIS RATING: 1

FLAMMABLE LIMITS LEL: Not Applicable
UEL: Not Applicable

AUTOIGNITION TEMPERATURE: Not Determined
SENS. TO MECHANICAL IMPACT: Not Applicable
SENS. TO STATIC DISCHARGE: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, SiO2, Formaldehyde. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF in atmosphere which contain oxygen.

 SECTION V - Reactivity Data

STABILITY

STABLE: X

UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): Temperatures >131oF.

INCOMPATIBILITY (Materials to Avoid): Known None

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SiO2, Formaldehyde. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF in atmosphere which contain oxygen. Thermal decomposition may produce Hydrochloric acid(HCL).

HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

S E C T I O N V I - Health Hazard Data

PRIMARY ROUTES OF EXPOSURE

INHALATION: X

SKIN CONTACT: X

SKIN ABSORPTION:

INGESTION:

EYE CONTACT: X

HEALTH HAZARDS

ACUTE: Inhalation of fumes from heated material may cause irritation to eyes, skin and respiratory tract. Ingestion may result in gastric disturbances.

CHRONIC: None Known

CARCINOGENICITY

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

OECD TEST VALUES FOR:

IRRITANCY: Not Determined

REPRODUCTIVE TOXICITY: Not Determined

SENSITIZATION: Not Determined

TERATOGENICITY: Not Determined

MUTAGENICITY: Not Determined

SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 1*

S E C T I O N V I I - First Aid Measures

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move to fresh air.

INGESTION: Consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a physician.

S E C T I O N V I I I - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Prevent additional discharge of material. Recover spilled material and place in a suitable container for recycle or disposal.

WASTE DISPOSAL METHOD: In accordance with all Federal, State, and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry, ventilated area away from heat. Avoid contact with eyes, skin, and clothing.

S E C T I O N I X - Control Measures

RESPIRATORY PROTECTION: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

VENTILATION

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses or goggles for dusty conditions.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling. Launder contaminated clothing before reuse. Observe good personal and industrial hygiene practices.

S E C T I O N X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA Inventory.

SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None Known

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None

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MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-21432 Violet

SECTION I - Preparation/Product Information

MANUFACTURED FOR AND SUPPLIED BY:

Harwick Chemical Manufacturing Corp.
2020 Front Street
Suite 106
Cuyahoga Falls, OH 44221

TELEPHONE NO.: (330) 916-6300

DATE PREPARED: September 25, 1996

PREPARER: Health, Safety, & Environment

PRODUCT USE: Colorant

DATE PRINTED: July 7, 2000

SECTION II - Ingredients/Identity Information

COMPONENTS CHEMICAL IDENTITY/CAS#/UN#	EXPOSURE LIMITS			TOXICITY LD50/LC50	AMOUNT %
	PEL	TLV	OTHER		
Vinyl Stopped Dimethyl Polymer CAS #Mixture-68083-19-2	Not Established				50-60
Sodium Alumino Sulphosilicate CI Pigment Blue 29, CI #77007 CAS #57455-37-5	Not Established			LD50 rat/oral >10,000 mg/kg	30-40
Quinacridone CI Pigment Violet 19, CI #73900 CAS #1047-16-1	Not Established				1-5
Titanium Dioxide CAS #13463-67-7 Containing Hydrated Alumina; CAS #21645-51-2 *PEL & TLV for titanium dioxide (total dust). Not likely to occur under normally accepted usages.	*15 mg/m3 *10 mg/m3			LD50 rat/oral >24,000 mg/kg	1-5

SECTION III - Physical/Chemical Characteristics

BOILING POINT: Not Applicable	SPECIFIC GRAVITY (H2O=1): 1.28(calc.)
FREEZING POINT: Not Applicable	pH: Not Applicable
VAPOR PRESSURE (mm Hg): Not Applicable	ODOR THRESHOLD (ppm): Not Determined
VAPOR DENSITY (AIR=1): Not Applicable	COEF. WATER/OIL DIST.: Not Determined
SOLUBILITY IN WATER: Negligible	EVAPORATION RATE: Not Applicable
APPEARANCE (PHYSICAL STATE) AND ODOR: Solid; Violet Odor; Slight	

SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Determined

EXTINGUISHING MEDIA: Chemical foam, dry chemical, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HMIS RATING: 1

FLAMMABLE LIMITS LEL: Not Applicable
UEL: Not Applicable

AUTOIGNITION TEMPERATURE: Not Determined

SENS. TO MECHANICAL IMPACT: Not Applicable

SENS. TO STATIC DISCHARGE: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, SOx, Formaldehyde. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF in atmospheres which contain oxygen.

SECTION V - Reactivity Data

STABILITY

STABLE: X

UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): None Known

INCOMPATIBILITY (Materials to Avoid): Acids

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, H2S, SOx, Formaldehyde. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF in atmospheres which contain oxygen.

HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

SECTION VI - Health Hazard Data

PRIMARY ROUTES OF EXPOSURE

INHALATION: X SKIN CONTACT: X
SKIN ABSORPTION: INGESTION: EYE CONTACT: X

HEALTH HAZARDS

ACUTE: Inhalation of fumes from heated material may cause irritation to eyes, skin and respiratory tract. Ingestion may result in gastric disturbances.

CHRONIC: None Known

CARCINOGENICITY

NTP: No IARC: No OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

OECD TEST VALUES FOR:

IRRITANCY: Not Determined REPRODUCTIVE TOXICITY: Not Determined
SENSITIZATION: Not Determined TERATOGENICITY: Not Determined
MUTAGENICITY: Not Determined

SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 1*

SECTION VII - First Aid Measures

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move to fresh air.

INGESTION: Consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a physician.

SECTION VIII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Prevent additional discharge of material. Recover spilled material and place in a suitable container for recycle or disposal.

WASTE DISPOSAL METHOD: In accordance with all Federal, State, and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry, ventilated area away from heat. Avoid contact with eyes, skin, and clothing.

SECTION IX - Control Measures

RESPIRATORY PROTECTION: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

VENTILATION

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses or goggles for dusty conditions.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling. Launder contaminated clothing before reuse. Observe good personal and industrial hygiene practices.

SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA Inventory.

SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None Known

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None

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1/97

MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-21400 Cool Gray

SECTION I - Preparation/Product Information

MANUFACTURED FOR AND SUPPLIED BY:	TELEPHONE NO.: (330) 916-6300
Harwick Chemical Manufacturing Corp. 2020 Front Street Suite 106 Cuyahoga Falls, OH 44221	DATE PREPARED: August 27, 1996 PREPARER: Health, Safety, & Environment PRODUCT USE: Colorant DATE PRINTED: September 7, 2000

SECTION II - Ingredients/Identity Information

COMPONENTS CHEMICAL IDENTITY/CAS#/UN#	EXPOSURE LIMITS PEL TLV OTHER	TOXICITY LD50/LC50	AMOUNT %
Vinyl Stopped Dimethyl Polymer CAS #Mixture-68083-19-2	Not Established		60-70
Titanium Dioxide CAS #13463-67-7 Containing Hydrated Alumina; CAS #21645-51-2 *PEL & TLV for titanium dioxide (total dust). Not likely to occur under normally accepted usages.	*15 mg/m3 **10 mg/m3	LD50 rat/oral >24,000 mg/kg	20-30
Iron Oxide Magnetite CI Pigment Black 11, CI #77499 CAS #12227-89-3	Not Established	LD50 rat/oral >10,000 mg/kg	5-10
Iron Oxide CI Pigment Yellow 42, CI #77492 CAS #51274-00-1 *PEL & TLV for Iron Oxide fume. Not likely to occur under normally accepted usages. **PEL for Iron Oxide dust. Not likely to occur under normally accepted usages.	*10 mg/m3 *5 mg/m3 **10 mg/m3	LD50 rat/oral >10,000 mg/kg	1-5
Iron Oxide CI Pigment Red 101, CI #77491 CAS #1309-37-1 *PEL & TLV for Iron Oxide fume. Not likely to occur under normally accepted usages. **PEL for Iron Oxide dust. Not likely to occur under normally accepted usages.	*10 mg/m3 *5 mg/m3 **10 mg/m3	LD50 rat/oral >10,000 mg/kg	1-5

SECTION III - Physical/Chemical Characteristics

BOILING POINT: Not Applicable	SPECIFIC GRAVITY (H2O=1): 1.37(calc.)
FREEZING POINT: Not Applicable	pH: Not Applicable
VAPOR PRESSURE (mm Hg): Not Applicable	ODOR THRESHOLD (ppm): Not Determined
VAPOR DENSITY (AIR=1): Not Applicable	COEF. WATER/OIL DIST.: Not Determined
SOLUBILITY IN WATER: Negligible	EVAPORATION RATE: Not Applicable
APPEARANCE (PHYSICAL STATE) AND ODOR: Solid; Gray Odor; Slight	

SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Determined

EXTINGUISHING MEDIA: Chemical foam, dry chemical, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HMIS RATING: 1

FLAMMABLE LIMITS LEL: Not Applicable
UEL: Not Applicable

AUTOIGNITION TEMPERATURE: Not Determined

SENS. TO MECHANICAL IMPACT: Not Applicable

SENS. TO STATIC DISCHARGE: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, SiO2, Formaldehyde. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF in atmospheres which contain oxygen.

SECTION V - Reactivity Data

STABILITY

STABLE: X

UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): Temperatures >131oF.

INCOMPATIBILITY (Materials to Avoid): Known None

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SiO2, Formaldehyde. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF in atmospheres which contain oxygen.

HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

SECTION VI - Health Hazard Data

PRIMARY ROUTES OF EXPOSURE

INHALATION: X

SKIN CONTACT: X

SKIN ABSORPTION:

INGESTION:

EYE CONTACT: X

HEALTH HAZARDS

ACUTE: Inhalation of fumes from heated material may cause irritation to eyes, skin and respiratory tract. Ingestion may result in gastric disturbances.

CHRONIC: None Known

CARCINOGENICITY

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

OECD TEST VALUES FOR:

IRRITANCY: Not Determined

REPRODUCTIVE TOXICITY: Not Determined

SENSITIZATION: Not Determined

TERATOGENICITY: Not Determined

MUTAGENICITY: Not Determined

SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 1*

SECTION VII - First Aid Measures

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move to fresh air.

INGESTION: Consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a physician.

SECTION VIII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Prevent additional discharge of material. Recover spilled material and place in a suitable container for recycle or disposal.

WASTE DISPOSAL METHOD: In accordance with all Federal, State, and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry, ventilated area away from heat. Avoid contact with eyes, skin, and clothing.

SECTION IX - Control Measures

RESPIRATORY PROTECTION: (Specify Type)
A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

VENTILATION

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses or goggles for dusty conditions.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling. Launder contaminated clothing before reuse. Observe good personal and industrial hygiene practices.

SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA Inventory.

SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None Known

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None

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M A T E R I A L S A F E T Y D A T A S H E E T

IDENTITY: Stan-Tone® HCC-21401 Aluminum

SECTION I - Preparation/Product Information

MANUFACTURED FOR AND SUPPLIED BY:

EMERGENCY TELEPHONE NO.: (330) 916-6300

Harwick Chemical Manufacturing Corp.
2020 Front Street
Suite 106
Cuyahoga Falls, OH 44221

DATE PREPARED: June 17, 1998

PREPARER: Health, Safety, & Environment

PRODUCT USE: Colorant

DATE PRINTED: June 17, 1998

SECTION II - Ingredients/Identity Information

COMPONENTS

EXPOSURE LIMITS

TOXICITY

AMOUNT

CHEMICAL IDENTITY/CAS#/UN#

PER	TLV	OTHER
-----	-----	-------

LD50 / LC50

2/3

Vinyl Stopped Dimethyl Polymer
CAS #Mixture-68083-19-2

Not Established

Not Determined 60-70

Aluminum Flake
CAS #7429-90-5

*15 mg/m³ *10 mg/m³
**5 mg/m³

Not Determined 20-30

*PEL & TLV for total nuisance dust. Not likely to occur under normally accepted usages.
 **PEL for respirable dust. Not likely to occur under normally accepted usages.

1,2 Benzenedicarboxylic Acid,
di-C9-11 branched alkyl esters
CAS #68515-49-1

Not Established

LD50 rat/oral 5-10
>64,000 mg/kg

SECTION III - Physical/Chemical Characteristics

BOILING POINT: Not Applicable
FREEZING POINT: Not Applicable
VAPOR PRESSURE (mm Hg): Not Applicable
VAPOR DENSITY (AIR=1): Not Applicable
SOLUBILITY IN WATER: Negligible
APPEARANCE (PHYSICAL STATE) AND ODOR:

SPECIFIC GRAVITY ($H_2O=1$): 1.17 (calc.)

pH: Not Applicable

ODOR THRESHOLD (ppm): Not Determined

COEF. WATER/OIL DIST.: Not Determined

EVAPORATION RATE: Not Applicable

Solid; Silver
Odor; Slight

S E C T I O N I V - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Determined

EXTINGUISHING MEDIA: Chemical foam, dry chemical, CO₂. Use water fog, alcohol foam, CO₂, dry chemical or other Class B extinguishing media. Do not use a water hose stream. Do not use halogenated extinguishing agents. For aluminum pigment fire, use only Class D extinguishing agents with low velocity nozzle, dry sand, protein foam or AFF.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Care should be used when applying a Class B extinguishing agent because some agents can accelerate a fire when most of the organics in the pigment have been consumed and the flake has started to burn. At this time, isolate the fire by ringing it with a dry, inert, granular material, or Class D extinguishing agent.

HMIS RATING: 1

FLAMMABLE LIMITS LEL: Not Applicable
UEL: Not Applicable

AUTOIGNITION TEMPERATURE: Not Determined

SENS. TO MECHANICAL IMPACT: Not Applicable

SENS. TO STATIC DISCHARGE: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, organic acids, aluminum oxide, H₂, smoke, SiO₂, formaldehyde. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF.

S E C T I O N V - Reactivity Data

STABILITY

STABLE: X

UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): Avoid excessive heat, ignition sources, smoking, open flames, and sparks.

INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents, aluminum can react with some acids, caustic solutions, and water to form H₂ and heat. Halogenated compounds.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SiO₂, organic acids, aluminum oxide, smoke, H₂, Formaldehyde. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF in atmospheres which contain oxygen.

HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

S E C T I O N V I - Health Hazard Data

PRIMARY ROUTES OF EXPOSURE

INHALATION: X
SKIN ABSORPTION:

SKIN CONTACT: X
INGESTION:

EYE CONTACT: X

HEALTH HAZARDS

ACUTE: Contact with skin and eyes may cause irritation. Inhalation of mists or heated liquid may cause nausea or respiratory tract irritation. Ingestion may cause abdominal cramps, nausea and diarrhea.

CHRONIC: Laboratory animal studies have shown that DIDP (CAS #68515-49-1) may cause adverse reproductive effects at high doses (Environ. Res. 9:1, 1975).

CARCINOGENICITY

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

OECD TEST VALUES FOR:

IRRITANCY: Not Determined
SENSITIZATION: Not Determined
MUTAGENICITY: Not Determined

REPRODUCTIVE TOXICITY: Not Determined
TERATOGENICITY: Not Determined

SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 1*

S E C T I O N V I I - First Aid Measures

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move to fresh air.

INGESTION: Consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a physician.

SECTION VIII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Prevent additional discharge of material. Recover spilled material and place in a suitable container for recycle or disposal.

WASTE DISPOSAL METHOD: In accordance with all Federal, State, and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry, ventilated area away from heat. Avoid contact with eyes, skin, and clothing.

SECTION IX - Control Measures

RESPIRATORY PROTECTION: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

VENTILATION

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses or goggles for dusty conditions.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling. Launder contaminated clothing before reuse. Observe good personal and industrial hygiene practices.

S E C T I O N X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA Inventory.

SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

Aluminum Flake
CAS #7429-90-5

20-30

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

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MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-21295 Gray

SECTION I - Preparation/Product Information

MANUFACTURED FOR AND SUPPLIED BY:

Harwick Chemical Manufacturing Corp.
2020 Front Street
Suite 106
Cuyahoga Falls, OH 44221

TELEPHONE NO.: (330) 916-6300

DATE PREPARED: July 15, 1996

PREPARER: Health, Safety, & Environment

PRODUCT USE: Colorant

DATE PRINTED: May 26, 2000

SECTION II - Ingredients/Identity Information

COMPONENTS CHEMICAL IDENTITY/CAS#/UN#	EXPOSURE LIMITS			TOXICITY LD50/LC50	AMOUNT %
	PEL	TLV	OTHER		
Vinylpolydimethylsiloxane CAS #Mixture - 68083-19-2	Not Established				50-60
Titanium Dioxide CAS #13463-67-7 Containing Hydrated alumina; CAS #21645-51-2 *PEL & TLV for titanium dioxide (total dust).	*15 mg/m3 *10 mg/m3			LD50 rat/oral >24,000 mg/kg	30-40
Iron Oxide Magnetite CI Pigment Black 11, CI #77499 CAS #12227-89-3	Not Established			LD50 rat/oral >10,000 mg/kg	1-5
Iron Oxide CI Pigment Yellow 42, CI #77492 CAS #51274-00-1 *PEL & TLV for Iron Oxide fume. Not likely under normally accepted usages. **PEL for Iron Oxide dust. Not likely to occur under normally accepted usages.	*10 mg/m3 *5 mg/m3 **10 mg/m3			LD50 rat/oral >10,000 mg/kg	.1-1
Treated Silicon Dioxide Filler CAS #Proprietary	15 mg/m3 10 mg/m3				.1-1

SECTION III - Physical/Chemical Characteristics

BOILING POINT: Not Determined	SPECIFIC GRAVITY (H2O=1): 1.40(calc.)
FREEZING POINT: Not Determined	pH: Not Determined
VAPOR PRESSURE (mm Hg): Not Determined	ODOR THRESHOLD (ppm): Not Determined
VAPOR DENSITY (AIR=1): Not Determined	COEF. WATER/OIL DIST.: Not Determined
SOLUBILITY IN WATER: Insoluble	EVAPORATION RATE: Not Determined
APPEARANCE (PHYSICAL STATE) AND ODOR: Paste; Gray Odor; Slight	

SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Determined

EXTINGUISHING MEDIA: Foam, CO2, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: None Known

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HMIS RATING: 1

FLAMMABLE LIMITS LEL: Not Available
UEL: Not Available

AUTOIGNITION TEMPERATURE: Not Available

SENS. TO MECHANICAL IMPACT: Not Available

SENS. TO STATIC DISCHARGE: Not Available

HAZARDOUS COMBUSTION PRODUCTS: COx, SiO2, Silicon Dioxide, Formaldehyde

SECTION V - Reactivity Data

STABILITY

STABLE: X

UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): Temperatures > 131o F.

INCOMPATIBILITY (Materials to Avoid): None Known

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SiO2, Silicon Dioxide, Formaldehyde. If heated above 300F, may generate formaldehyde gas which is a skin and respiratory sensitizer, acute toxicant and potential cancer hazard.

HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

SECTION VI - Health Hazard Data

PRIMARY ROUTES OF EXPOSURE

INHALATION: SKIN CONTACT: X
SKIN ABSORPTION: INGESTION: EYE CONTACT: X

HEALTH HAZARDS

ACUTE: May cause eye and skin irritation. Inhalation of fumes from heated material may cause irritation to eyes and respiratory tract.

CHRONIC: None Known

CARCINOGENICITY

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

OECD TEST VALUES FOR:

IRRITANCY: Not Determined
SENSITIZATION: Not Determined
MUTAGENICITY: Not Determined

REPRODUCTIVE TOXICITY: Not Determined
TERATOGENICITY: Not Determined

SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 1

SECTION VII - First Aid Measures

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move to fresh air.

INGESTION: Consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a physician.

SECTION VIII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wipe, scrape, or soak up in an inert material and put in a suitable container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard.

WASTE DISPOSAL METHOD: In accordance with all Federal, State and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store at room temperature in tightly closed containers. Avoid contact with eyes, skin and clothing.

SECTION IX - Control Measures
*******RESPIRATORY PROTECTION: (Specify Type)**

A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

VENTILATION

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling. Launder contaminated clothing before reuse.

SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA Inventory.

SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None Known

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

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1/97

3001
Delta chemical



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/25/2008

Dear Tommy Boyette

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # -3001

Expiration Date 9/25/2010

Generator: Delta Chemical
Address: 334 Tidal Road
Deer Park, TX 77536

Waste Information

Name of Waste: RCRA empty containers

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Empty containers that contained various chemicals

Color: varies

Odor: none

pH: neutral

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

grr

J B / AL



<input checked="" type="checkbox"/> CES Environmental Services - Houston Facility 4904 Griggs Road, Houston, TX 77021 Phone (713) 676-1460 Fax: (713) 676-1460 U.S. EPA ID Number: TXD008950461 ISWR Number: 30900 TCEQ Industrial Solid Waste Permit Number: 30948	<input type="checkbox"/> CES Environmental Services - Port Arthur Facility 2420 S. Gulfway Dr., Port Arthur, TX 77641 Phone (713) 676-1460 Fax: (713) 676-1460 U.S. EPA ID Number: TXR000079307 ISWR Number: 88585
---	---

SECTION 1: Generator Information

Company: Delta Chemical
Address: 334 Tidal Road
City: Deer Park State: Texas Zip: 77536
Contact: Tommy Boyette Title: _____
Phone Number: (281) 680-4108 Fax Number: (281) 479-9842
24/hr Phone Number: (281) 680-4108
US EPA ID No: TXR000029199
State ID No: _____ 85855 SIC Code: NA

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City: _____ State: _____ Zip: _____
Contact: _____ Title: _____
Phone Number: _____ Fax Number: _____

SECTION 3: General Description of the Waste

Name of Waste: RCRA Empty Containers
Detailed Description of Process Generating Waste: _____

Empty containers that contained various materials

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination
Color: varies Odor: none

Specific Gravity (water=1): na Density: na lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☒ Tote ☐ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☒ Monthly ☐ Yearly ☐ One-Time

Quantity: as needed

☐ Yes ☒ No

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009
☐ D010 ☐ D011

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☒ No

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

Texas State Waste Code Number: recycle

Proper US DOT Shipping Name:		Non RCRA Non DOT regulated material			
Class:	na	UN/NA:	na	PG :	na
				RQ:	na

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
na		neutral		0 mg/l		0 mg/l		100 %	
Oil & Grease		TOC		Zinc		Copper		Nickel	
0	mg/l	0	mg/l	0	mg/l	0	mg/l	0	mg/l

SECTION 4: Physical and Chemical Data

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. none

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	<u>BRL</u>
TCLP Volatiles:	<u>BRL</u>
TCLP Semi-Volatiles:	<u>BRL</u>
Reactivity:	<u>Non Reactive</u>
Corrosivity:	<u>Non Corrosive</u>
Ignitability:	<u>Notn Ignitable</u>

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?

☐ YES

☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10. Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: _____

Printed Name/Title: _____

Jeffery Campbell / Production Supervisor

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Date: _____

9-25-08

☒ Approved

☐ Rejected

Approval Number: _____

3001



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

Drum \$10 Tote \$100

2. Contamination Limit (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

5. Treatment and Handling Protocol:

Recycle empty containers

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

Recycle empty containers

3004
GATX Rail (Galena)



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/29/2008

Dear Trey Weiser

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3004

Expiration Date 9/29/2010

Generator: GATX Rail Corporation (Galena Park)

Address: 1216 Clinton Drive
Galena Park, TX 77547

Waste Information

Name of Waste: Out dated nonhazardous paint

TCEQ Waste Code #: CESQ2092

Container Type: 5 gallon buckets

Detailed Description of Process Generating Waste:

Out dated nonhazardous paint from painting offices

Color: varies

Odor: none

pH: neutral

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110001729



<input checked="" type="checkbox"/> CES Environmental Services - Houston Facility 4904 Griggs Road, Houston, TX 77021 Phone (713) 676-1460 Fax: (713) 676-1460 U.S. EPA ID Number: TXD008950461 ISWR Number: 30900 TCEQ Industrial Solid Waste Permit Number: 30948	<input type="checkbox"/> CES Environmental Services - Port Arthur Facility 2420 S. Gulfway Dr., Port Arthur, TX 77641 Phone (713) 676-1460 Fax: (713) 676-1460 U.S. EPA ID Number: TXR000079307 ISWR Number: 88585
---	---

SECTION 1: Generator Information

Company: GATX Rail Corporation (Galena Park)
Address: 1216 Clinton Drive
City: Galena Park State: TX Zip: 77547
Contact: Ernie Guzman Title: _____
Phone Number: 713-455-4999 ext 13 Fax Number: 312-499-7392
24/hr Phone Number: 832-978-2163
US EPA ID No: TXCESQG
State ID No: CESQG SIC Code: NA

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City: _____ State: _____ Zip: _____
Contact: _____ Title: _____
Phone Number: _____ Fax Number: _____

SECTION 3: General Description of the Waste

Name of Waste: Out dated Non hazardous paint
Detailed Description of Process Generating Waste: _____

out dated non hazardous paint from painting offices

Physical State: ☒ Liquid ☒ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination
Color: varies Odor: none

Specific Gravity (water=1): 1.29 Density: 10.75 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain)

Frequency: ☐ Weekly ☐ Monthly ☐ Yearly ☒ One-Time

Quantity: 5 gallon buckets (~5)

☐ Yes ☒ No

If “Yes”, Is it:

☐ D003 (Reactive)

☐ D009

☐ D011

☐ Yes ☒ No

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

☐ Yes ☒ No

CESQ2092

Non RCRA/Non DOT Regulated Paint

NA

UN/NA:

NA

PG :

NA

RQ:

NA

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
>150		neutral		na <u>mg/l</u>		na <u>mg/l</u>		0-40 <u>%</u>	
Oil & Grease		TOC		Zinc		Copper		Nickel	
<1500	<u>mg/l</u>	na	<u>mg/l</u>	na	<u>mg/l</u>	na	<u>mg/l</u>	na	<u>mg/l</u>

SECTION 4: Physical and Chemical Data

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. MSDS

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

None known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	<u>NA</u>
TCLP Volatiles:	<u>NA</u>
TCLP Semi-Volatiles:	<u>NA</u>
Reactivity:	<u>NA</u>
Corrosivity:	<u>NA</u>
Ignitability:	<u>NA</u>

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?
If 'Yes', complete this section.

☐ YES ☒ NO

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: *Ernesto Guzman*Date: 9/26/08Printed Name/Title: Ernesto Guzman Foreman

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: *Robyn R. Thayer*Date: 9-29-08Approval Number: 3004☒ Approved☐ Rejected



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

\$25.00/5 gal bucket; \$70.00/hour transportation

2. Contamination Limit (maximum limit before surcharges apply):

NA

3. Surcharge Pricing:

NA

4. Special Testing Requirements:

5. Treatment and Handling Protocol:

Put in class 2 sludge box

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

NA

8. Management for Product Recovered/Recycled (if applicable)

NA

MATERIAL SAFETY DATA SHEET

B66A310
12 00DATE OF PREPARATION
Sep 8, 2008

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER

B66A310

PRODUCT NAME

PRO INDUSTRIAL™ PRO-CRYL® Universal Acrylic Primer, Gray

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 Prospect Avenue N.W.
Cleveland, OH 44115

Telephone Numbers and Websites

Product Information	www.sherwin-williams.com
Regulatory Information	(216) 586-2902 www.paintdocs.com
Medical Emergency	(216) 586-2917
Transportation Emergency	(800) 424-9300
*For Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)	

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	CAS Number	Ingredient	Units	Vapor Pressure
18	471-34-1	Calcium Carbonate		
		ACGIH TLV	10 mg/m3 as Dust	
		OSHA PEL	15 mg/m3 Total Dust	
		OSHA PEL	5 mg/m3 Respirable Fraction	
9	13463-67-7	Titanium Dioxide		
		ACGIH TLV	10 mg/m3 as Dust	
		OSHA PEL	10 mg/m3 Total Dust	
		OSHA PEL	5 mg/m3 Respirable Fraction	

SECTION 3 — HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE

EYES: Irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the upper respiratory system.

In a confined area vapors in high concentration may cause headache, nausea or dizziness.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

HMIS Codes

Health	1
Flammability	0
Reactivity	0

SECTION 4 — FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

SKIN: Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

INHALATION: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

INGESTION: Do not induce vomiting. Get medical attention immediately.

SECTION 5 — FIRE FIGHTING MEASURES

B66A310

FLASH POINT

Not Applicable

LEL

N.A.

UEL

N.A.

FLAMMABILITY CLASSIFICATION

Not Applicable

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Alcohol Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

SECTION 6 — ACCIDENTAL RELEASE MEASURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

- Remove all sources of ignition. Ventilate the area.
- Remove with inert absorbent.

SECTION 7 — HANDLING AND STORAGE**STORAGE CATEGORY**

Not Applicable

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION**PRECAUTIONS TO BE TAKEN IN USE**

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m³ (total dust), 3 mg/m³ (respirable fraction), OSHA PEL 15 mg/m³ (total dust), 5 mg/m³ (respirable fraction).**VENTILATION**

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits.

Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	10.75 lb/gal	1288 g/l
SPECIFIC GRAVITY	1.28	
BOILING POINT	212 - 213° F	100 - 100° C
MELTING POINT	Not Available	
VOLATILE VOLUME	61%	
EVAPORATION RATE	Slower than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	N.A.	
pH	8.7	

VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)

0.73lb/gal	88g/l	Less Water and Federally Exempt Solvents
0.31lb/gal	37g/l	Emitted VOC

B66A310

SECTION 10 — STABILITY AND REACTIVITY

STABILITY — Stable CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

SECTION 11 — TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS

IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

TOXICOLOGY DATA

CAS No.	Ingredient Name			
471-34-1	Calcium Carbonate	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available
13463-67-7	Titanium Dioxide	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available

SECTION 12 — ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

No data available.

SECTION 13 — DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

SECTION 14 — TRANSPORT INFORMATION

US Ground (DOT)

Not Regulated for Transportation.

Canada (TDG)

Not Regulated for Transportation.

IMO

Not Regulated for Transportation.

SECTION 15 — REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
	Zinc Compound	5	2.5
	Glycol Ethers	2	

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

SECTION 16 — OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

3005

CES ENV SVCS PA



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/30/2008

Dear

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3005

Expiration Date 9/26/2010

Generator: CES Environmental Services - Port Arthur

Address: 2420 Gulfway Drive
Port Arthur, TX 77641

Waste Information

Name of Waste: Nonhazardous wastewater

TCEQ Waste Code #: 00011131

Container Type:

Detailed Description of Process Generating Waste:

Wastewater from the manufacturing of Nash and sodium sulfide using sulfidic and phenolic as feed

Color: dark grey to dark red **Odor:** slight pungent **pH:** 3-7

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std ppe

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110001740

SP



<input checked="" type="checkbox"/> CES Environmental Services - Houston Facility 4904 Griggs Road, Houston, TX 77021 Phone (713) 676-1460 Fax: (713) 676-1460 U.S. EPA ID Number: TXD008950461 ISWR Number: 30900 TCEQ Industrial Solid Waste Permit Number: 30948	<input type="checkbox"/> CES Environmental Services - Port Arthur Facility 2420 S. Gulfway Dr., Port Arthur, TX 77641 Phone (713) 676-1460 Fax: (713) 676-1460 U.S. EPA ID Number: TXR000079307 ISWR Number: 88585
---	---

SECTION 1: Generator Information

Company: CES Environmental Services
 Address: 2420 S. Gulf way Dr.
 City: Port Arthur State: Tx Zip: 77641
 Contact: Marlin Moser Title: VP
 Phone Number: 7136761460 Fax Number: 7136761676
 24/hr Phone Number:
 US EPA ID No: TXR 000079307
 State ID No: 88585 SIC Code:

SECTION 2: Billing Information - ☐ Same as Above

Company: CES Environmental Services
 Address: 4904 Griggs Road
 City: Houston State: Tx Zip: 77021
 Contact: Juanita Thomas Title:
 Phone Number: 7136761460 Fax Number: 7136761676

SECTION 3: General Description of the Waste

Name of Waste: Non-hazardous wastewater

Detailed Description of Process Generating Waste:

Wastewater from the manufacturing of nash and sodium Sulfide using Sulfidic and Phenolic Caustic as feed.

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: dark grey to dark red orange BROWN Odor: Slight Pungent

Specific Gravity (water=1): 1.0-1.4 ± Density: 8.34 lbs/gal — 11.68 lbs/gal

Does this material contain any total phenolic compounds? ☒ Yes ☐ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Frequency: ☒ Weekly ☐ Monthly ☐ Yearly ☐ One-Time

Quantity: 100,000

EPAHO110001741

☐ Yes ☒ No

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009
☐ D010 ☐ D011

☐ Yes ☒ No

☐ Yes ☒ No

0001131

Class: W UN/NA:

Non-RCRA, Non-DOT Regulated Material 2011131
 PG: na RQ: na

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. Generator Knowledge

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

None known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	<u>x</u>
TCLP Volatiles:	<u>x</u>
TCLP Semi-Volatiles:	<u>x</u>
Reactivity:	<u>x</u>
Corrosivity:	<u>x</u>
Ignitability:	<u>x</u>

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?

☐ YES

☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
- Cadmium: 0.2 mg/L
 - Chromium: 8.9 mg/L
 - Copper: 4.9 mg/L
 - Nickel: 37.5 mg/L
- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
- ☐ Metals Subcategory
 - ☐ Oils Subcategory
 - ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Date: _____

☐ Approved

☐ Rejected

Approval Number: _____

Name of Waste: NASH Production Waste Water, Class 1 , Non-Hazardous
Profile:

Attached List: NASH Production Waste Water Chemical Composition

Water : 65 – 93%

Miscellaneous Water Soluble Dissolved Chloride, Sulfate & Hydroxide Salts: 5-25 %
(Sodium, Potassium, Calcium salt types)

Miscellaneous Soluble Organic Sulfur Compound's: 1 – 10 %

Solids: 0.1 - 10% (dirt, grit, rust, filter media, road grime, organic residue)

Ammonia Compounds: 0.0 – 0.5%

Sulfuric Acid: 0.0 - .4%

Sodium Hydroxide: (0.0- .4%)

Sulfide: 0.0-50 ppm

List of Remaining constituents: 0-2 %

PHENOL'S
PHENOLIC COMPOUNDS
C2-C4 AMINE'S
SODIUM & POTASSIUM MERCAPTIDES
DIETHYL DISULFIDE

LONG CHAIN MERCAPTANS
OLEFINS
PARRAFINS
DIMETHYL DISULFIDE
IRON OXIDE/RUST

3006

Texmark Chemicals Inc



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/26/2008

Dear Linda Salinas

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3006

Expiration Date 9/26/2010

Generator: Texmark Chemicals, Inc.

Address: 900 Clinton Drive
Galena Park, TX 77547

Waste Information

Name of Waste: Wax

TCEQ Waste Code #: 00044031

Container Type:

Detailed Description of Process Generating Waste:

Water was added to a heated lube oil additive, once cool it produced a wax

Color: light amber **Odor:** slight ammonia **pH:** 9

Physical State:

Incompatibilities: may react with strong acids or strong oxidizing agents

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110001747

GR



4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

GB/L

SECTION 1: Generator Information

Company: Texmark Chemicals, Inc.
Address: 900 Clinton Drive
City: Galena park State: TX Zip: 77547
Contact: Linda Salinas Title: _____
Phone Number: 713-455-1206 Fax Number: 713-455-8959
24/hr Phone Number: 713-495-1226
US EPA ID No: TXD088363692
State ID No: _____ 30654 SIC Code: _____ 2869

SECTION 2: Billing Information - ☒ **Same as Above**

Company: _____
Address: _____
City: _____ State: _____ Zip: _____
Contact: _____ Title: _____
Phone Number: _____ Fax Number: _____

SECTION 3: General Description of the Waste

Name of Waste: Wax
Detailed Description of Process Generating Waste: _____

Water was added to a heated lube oil additive, once cool it produced a wax.

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: Light Amber Odor: Slight ammonia

Specific Gravity (water=1): N/A Density: N/A lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☒ Monthly ☐ Yearly ☐ One-Time

Quantity: 1500

Is this a USEPA "Hazardous Waste" per 40CFR 261.3?

☐ Yes ☒ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)

Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009
☐ D010 ☐ D011

Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one?

☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code Number: 00044031

Proper US DOT Shipping Name: Non-Hazardous, Non-Regulated Solid

Class: UN/NA: PG : RQ:

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
>146F		9		N/A <u>mg/l</u>		N/A <u>mg/l</u>		100	%
Oil & Grease		TOC		Zinc		Copper		Nickel	
>1500	<u>mg/l</u>	BRL	<u>mg/l</u>	BRL	<u>mg/l</u>	BRL	<u>mg/l</u>	BRL	<u>mg/l</u>

SECTION 4: Physical and Chemical Data

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE - safety glasses, gloves, etc.

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. MSDS for OLOA 340D

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

May react with strong acids or strong oxidizing agents

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	<u>BRL</u>
TCLP Volatiles:	<u>BRL</u>
TCLP Semi-Volatiles:	<u>BRL</u>
Reactivity:	<u>Non-Reactive</u>
Corrosivity:	<u>Non-Corrosive</u>
Ignitability:	<u>Non-Ignitable</u>

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?

☐ YES

☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: _____

9/25/08

Printed Name/Title: _____

Linda Salinas

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Date: 9-26-08

☒ Approved

☐ Rejected

Approval Number: _____

3006



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

\$85/yard Trans \$70/hour + FSC

2. Contamination Limit (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

5. Treatment and Handling Protocol:

Redirect as a class 1 solid. *Sludge*

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--

3007
Fluid Sealing Products



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/29/2008

Dear Josh Pederson

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # -3007

Expiration Date 9/29/2010

Generator: Fluid Sealing Products

Address: 8910 Scranton
Houston, TX 77075

Waste Information

Name of Waste: Nonhazardous phosphate wastewater

TCEQ Waste Code #: 00011191

Container Type:

Detailed Description of Process Generating Waste:

Keycote 36, Aeroclean DN30, water, oil from teflon coating of carbon steel

Color: clear to brownish **Odor:** mild **pH:** 2-12

Physical State:

Incompatibilities: high pH material

Safety Related Data/Special Handling:

level d, protective gloves

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110001755

DB



4904 Griggs Road, Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator InformationCompany: Fluid Sealing ProductsAddress: 8910 ScrantonCity: HoustonState: TXZip: 77075Contact: Michael Dean

Title: _____

Phone Number: 713-906-8683Fax Number: 713-910-122724/hr Phone Number: 713-906-8683US EPA ID No: na

State ID No: _____

87478 SIC Code: na**SECTION 2: Billing Information - ☒ Same as Above**Company: Fluid Sealing Products INCAddress: 155 Southwest Industrial DriveCity: HoustonState: TXZip: 77047Contact: 713-910-1028/Michael DeanTitle: General ManagerPhone Number: 713-906-8683Fax Number: 713-910-1227713-910-1028**SECTION 3: General Description of the Waste**Name of Waste: Non Hazardous Phosphate Waste water

Detailed Description of Process Generating Waste: _____

Keycote 36, Aeroclean DN30, water, oil, fromTeflon coating of carbon steel

Physical State:



Liquid



Sludge



Powder



Solid



Filter Cake



Combination

Color: clear to brownishOdor: mildSpecific Gravity (water=1): ~1Density: ~8.34 lbs/gal

Does this material contain any total phenolic compounds?



Yes



No

Does this material contain any para substituted phenolic compounds?



Yes



No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF)



Yes



No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2851	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers:



Single-phase



Multi-phase

Container Type:



Drum



Tote



Truck



Other (explain)

Frequency:



Weekly



Monthly



Yearly



One-Time

Quantity: _____

☐ Yes ☒ No

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009
☐ D010 ☐ D011

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☒ No

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

Texas State Waste Code Number: 00011191

Proper US DOT Shipping Name:		Non-RCRA, non hazardous wastewater			
Class:	na	UN/NA:	na	PG :	na
				RQ:	na

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
>160		2-12		<50 <u>mg/l</u>		<50 <u>mg/l</u>		0-2 <u>%</u>	
Oil & Grease		TOC		Zinc		Copper		Nickel	
<1500	<u>mg/l</u>	<1500	<u>mg/l</u>	0	<u>mg/l</u>	0	<u>mg/l</u>	0	<u>mg/l</u>

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Level D, + protective gloves

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. analysis

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

High PH materials

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:

TCLP Volatiles:

TCLP Semi-Volatiles:

Reactivity:

Corrosivity:

Ignitability:

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:

Michael Dean Davis

Date:

9/29/2008

Printed Name/Title:

Michael Dean Davis / General Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer:

John R. Hyde

Date:

9-29-08

☒ Approved

☐ Rejected

Approval Number:

3007

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge?

☒ YES ☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory : Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☒ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory : Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory : Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☒ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

\$65/drum

2. Contamination Limit (maximum limit before surcharges apply):

Non-conforming to profile

3. Surcharge Pricing:

None

4. Special Testing Requirements:

None

5. Treatment and Handling Protocol:

Class 1 to landfill - liquids
or.

Put in Newpark Accumulation tank (if room)

6. Treated Wastewater Discharge Subcategory:

☒

Subcategory A

☐

Subcategory B

☐

Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

NA

8. Management for Product Recovered/Recycled (if applicable)

NA

**ENVIRON EXPRESS LABORATORIES, INC.**

401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5821

Express Laboratories

CERTIFICATE OF ANALYSIS NO: 62730.01

1 of 1

Customer: CES
Project ID: Fluid Seal
Project Loc: HOU., TX
Charge/P.O.:

Sample ID: Phosphate W/W

Environ ID: 62730.01

Sampled: 12-20-07

Received: 12-20-07

Reported: 01-03-08

Matrix: Liquid

Type: Grab

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
BENZENE - TCLP								
Benzene	< 0.001	mg/l	--	0.001	SW846.8021B	DMB	12-26-07	18:37
RCI								
Reactive Cyanide	< 50	mg/kg	250	50	EPA SW846.7.3.3	LC	12-21-07	09:30
Reactive Sulfide	< 50	mg/kg	500	50	EPA SW846.7.3.4	LC	12-21-07	09:45
Corrosivity (Ph)	3.07	su	=>2; =<12.5	--	PA SW846.9045	JA	12-20-07	17:30
Ignitability	> 160	°F	> 140	--	EPA SW846.1010	LC	12-26-07	11:15
METALS (RCRA) - TCLP					SW846.1311	MN	12-20-07	
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	JA	12-21-07	13:19
Barium	< 0.02	mg/l	100	0.02	SW846.6010B	JA	12-21-07	13:19
Cadmium	0.12	mg/l	1.00	0.02	SW846.6010B	JA	12-21-07	13:19
Chromium	0.08	mg/l	5.00	0.02	SW846.6010B	JA	12-21-07	13:19
Lead	< 0.02	mg/l	5.00	0.02	SW846.6010B	JA	12-21-07	13:19
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	JA	12-21-07	13:19
Silver	< 0.05	mg/l	5.00	0.05	SW846.6010B	JA	12-21-07	13:19
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	12-21-07	09:40

Definitions:

TCLP - Toxicity Characteristic Leaching Procedure

su - Standard Units

REG - Regulatory Limit (User Should Confirm Limits)

MQL - Method Quantitation Limit

PPM - Parts Per Million

mg/l - PPM by Volume, mg/kg - PPM by Weight

John Keller, Ph.D.
Laboratory Director

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS: BTEX	METHOD: EPA SW846/5030/8021B	MATRIX: LEACHATE
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ANALYST: dmb	UNITS: mg/l	NO. SAMPLES: 12
--------------	-------------	-----------------

SAMPLES:	62721-01	62727-01	62727-02	62727-03	62727-04	62730-01	62734-01	62746-01
	62752-01	62752-02	62754-01	62754-02				

MATRIX 62727-01	MATRIX RESULTS	SPIKE ADDED	MS RESULTS	MS REC	MSD REC	RPD	CCV REC	MB	QC LIMITS (%)	
									REC-RANGE	RPD
BENZENE	0	100	88	88	95	8	88	0	60 - 120	20
TOLUENE	0	100	88	88	92	5	94	0	60 - 120	20
Et-BENZENE	0	100	86	86	86	1	89	0	60 - 120	20
XYLENES	0	300	303	101	100	1	97	0	60 - 120	20
MTBE	0	100	116	116	109	6	106	0	60 - 120	20

KEY:

BTEX - Benzene (BENZ), Toluene (TOL)
 Ethylbenzene (ETBZ), Xylenes (XYLS)
 MTBE - Methyl-tert-butyl ether
 CCV - Continuing Calibration Verification
 MB - Method Blank
 MS - Matrix Spike
 MSD - Matrix Spike Duplicate
 RPD - Relative Percent Difference
 REC - Recovery Percent


 JOHN KELLER, Ph.D.
 Lab. Dir./QA-QC Mgr.

1/2/08
DATE

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS: METALS METHOD: EPA SW846/6010 MATRIX: LIQUID

ANALYST: JA DATE: 12.21.07 UNITS: PPM (mg/l) NO. SAMPLES: 11

SAMPLES:	62729.01	62727.01	62727.02	62727.03	62727.04	62731.01	62722.01	62723.01
	62725.01	62728.01	62730.01					

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS BATCH ID: 62729.01

SAMPLE Matrix	SAMPLE RESULTS	SPIKE ADDED	SPIKE RESULTS	RECOV. %	RECOV. DUP. %	REL. DIFF. %	CONT. CALIB.	METHOD BLANK	QC LIMITS	
									RECOV.	DIFF.
Arsenic	0.00	5	4.63	93	95	3	92	0	75 - 125	20
Barium	0.00	5	4.60	92	95	3	100	0	75 - 125	20
Cadmium	0.00	5	4.43	89	92	4	98	0	75 - 125	20
Chromium	0.00	5	4.51	90	94	4	94	0	75 - 125	20
Lead	0.00	5	4.42	88	93	5	95	0	75 - 125	20
Selenium	0.00	5	4.70	94	101	7	97	0	75 - 125	20
Silver	0.00	5	4.35	87	91	4	99	0	75 - 125	20

John Keller

JOHN KELLER, Ph.D
Laboratory Director

ENVIRON EXPRESS QUALITY CONTROL REPORT

ANALYSIS: MERCURY METHOD: EPA SW846/7471A MATRIX: LIQUID

ANALYSTS: MN DATE: 12.21.07 UNITS: mg/l NO.SAMPLES: 8

SAMPLES:	62725.01	62727.01	62727.02	62727.03	62727.04	62728.01•	62730.01	62731.01

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS

SAMPLE	SAMPLE	SPIKE	SPIKE	RECOV.	RECOV.	REL.	CONT.	METH.	CORR.	QC LIMITS	
Matrix	RESULTS	ADDED	RESULTS	%	DUP. %	DIFF.	CALIB.	BLANK	COEFF.	RECOV.	DIFF.
MERCURY	0.00	0.002	0.002	110	105	5	100	0	1	60 - 120	20

John Keller
 JOHN KELLER, Ph.D
 Laboratory Director



CHAIN OF CUSTODY

Page ____ of ____

ENVIRO EXPRESS LABORATORIES, INC.
401 North 11th. St. / La Porte, Texas 77571-3115
(281) 471-0951 / (800) 880-0156
Fax: (281) 471-5821 / After Hours: (281) 844-2308
e-mail: environexp@aol.com

Results To: <u>Don Bonnam</u>	Invoice To: <u>CES</u>	TAT (WORKING DAYS) CIRCLE ONE: 1 2 3 <u>5</u>	
Company: <u>CES</u>	Company: <u>Sage</u>	LAB LOT #	COC Present? <u>Yes</u> No
Address: <u>4904 Griggs Rd</u>	Address:	Shipment Sealed? <u>Yes</u> No	Samples Sealed? <u>Yes</u> No
City: <u>Houston TX</u> State: Zip: <u>77021</u>	City: State: Zip:	Received on Ice? <u>Yes</u> No	Samples Intact? <u>Yes</u> No
Phone: <u>713-954-6150</u>	Phone:	Cooler Temp. (°C) <u>2°C</u>	Preservative Shown? Yes <u>No</u> NA
Fax: <u>713-676-1670</u>	Fax:	Hold Time OK? <u>Yes</u> No	Res Cl2 Check OK? Yes No <u>NA</u>
e-Mail:	PO#:	Quote#:	pH Check OK? <u>Yes</u> No NA

Project Name: <u>Fluid Sealing Products</u>		Sampler Remarks:		2 Cntr. Type																							
Project Location: <u>Houston, TX</u>				Number																							
Project No:				Volume																							
Sampler (Print): <u>Don Bonnam</u>				3 Preservative																							
Sampler (Sign): <u>Don Bonnam</u>																											
EEL USE ONLY (LAB NO.)		SAMPLE ID.		DATE/TIME SAMPLED		1 MATRIX		(C) JOMP / (G) RAB		BTX (8021B)		TPH (TX1005.3)		RCI		PAH		VOLATILES		SEMI-VOLS		RCRA 8 METALS		TOTAL EPA TCLP		TCLP Barium	
62730-01		1) Phosphate w/w		12/20/07 1:50 PM		UQ		G						X								X		X			
		2)																									
		3)																									
		4)																									
		5)																									
		6)																									
		7)																									
		8)																									
		9)																									
		10)																									

Relinquished By: <u>Don Bonnam</u>	Company: <u>CES</u>	Date/Time: <u>12/20/07 4:00 PM</u>	Received By: <u>[Signature]</u>	Company: <u>CES</u>
Relinquished By: <u>[Signature]</u>	Company: <u>CES</u>	Date/Time: <u>12/20/07 5:10</u>	Received By: <u>[Signature]</u>	Company: <u>ENVIRON</u>
Relinquished By:	Company:	Date/Time:	Received By:	Company:

1 Matrix Key S: Soil W: Water WW: Waste Water SL: Sludge SO: Solid SE: Sediment L: Leachate WI: Wipe OR: Organic OL: Oil DS: Drum Solid DL: Drum Liquid O: Other		2 Container Type Key P: Plastic G: Glass V: VOA Glass O: Other		3 Preservative Key 1: Ice (<4°C) 2: HCL 3: H2SO4 4: HNO3 5: NaOH 6: NaOH+Zn Acetate 7: Na2S2O3 8: None	
---	--	---	--	---	--

Delivery of samples constitutes acceptance of Environ's terms and conditions in the Price Schedule.

EPAHQ110001767



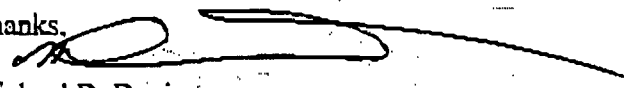
Manufacturers of Industrial Gaskets - Packings - Bolts

To Whom It May Concern:

Fluid Sealing Products has moved to a new location. Please change CES Profile# **3007**
(Waste Water)

To reflect our new address 155 Southbelt Industrial Drive, Houston, Texas 77047.
Please change the following: Change our EPA ID Number to TXCESQG and our state
registration to CESQG. Additionally, please change the waste code number on that
profile to CESQ1191 as we have not received our new notice registration yet. When we
receive our new NOR we will correct the manifest to reflect the new waste code assigned
to this location. These change are temporary, and you will be notified when we receive
our new NOR to our new location.

Thanks,


Michael D. Davis
Plant Manager
Fluid Sealing Products



155 Southbelt Industrial Dr. • Houston, TX 77047
(800) 460-1028 • (713) 910-1028 • Fax (713) 910-1227 • www.fluidsealingproducts.com

EPAHO110001768

3008
Martin South Dock



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 9/30/2008

Dear Robbie Preston

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # -3008

Expiration Date 9/30/2010

Producer: Martin South Dock

Address: 365 AJ Estay Road
Fourchon, LA

Material / Product Information

Name of Material / Product Methanol water with green dye

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Unused product

Color: lime green

Odor: alcohol water

pH: neutral

Physical State:

Incompatibilities: strong oxidizing agents

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110001770

Material needs an outlet to sell to prior to approval. (More are outlets.)
Need MSDS for greendye.



CES Environmental Services, Inc.

JB

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

(Not available already gone and gone)

SECTION 1: Material Producer Information

Company: Martin South Dock
Address: 365 AJ Estay Road
City, State, Zip: Fourchon, LA
Contact: Louis McWilliams Title: _____
Phone No: _____ Fax No: _____
24/hr Phone: _____
U.S. EPA I.D. No: _____
State I.D. _____ SIC Code: _____

SECTION 2: Billing Information - ☐ Same as Above

Company: Preston Environmental
Address: PO Box 697
City, State, Zip: Denham Springs
Contact: Robbie Preston Title: _____
Phone No: (225) 664-7767 Fax No: (225) 664-8655

SECTION 3: General Description of the Material / Product

Name of Material / Product: Methanol water with green dye

Detailed Description of Process Generating or Producing the Material / Product: unused product

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Lime green

Odor: alcohol water

Specific Gravity (water=1): .79

Density: >8 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: _____ 5000 Gal _____

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 4 Other: _____

Proper U.S. DOT Shipping Name:

Product
RQ, UN1230, Methanol, 3, PG II (For Recycle)

Class: 3

UN/NA: UN1230

PG: II

RQ: 5000

Flash Point 50 F	pH neutral	N/A	N/A	Solids 1%
Oil&Grease 0mg/l	TOC 0mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Methanol	85-90	%
Water	10-15	%
Green dye	.1-.5	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.
Methanol MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Strong oxidizing agents

SECTION 8: Material Producer's Certification

The information contained herein is based on ☐ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u><i>[Signature]</i></u>	
Date: <u>9-24-08</u>	Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>
Approval Number: <u>3008</u>	



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

\$.05/gallon (PA-7)

2. Contamination Limits (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

No pretreatment. Sell as Product. Call Joy for details.

5. Treatment and Handling Protocol:

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable):

--

63000 gals. 13% H₂O

methanol%20bulk%20msds[1]

UNIVAR USA - MSDS Univar USA Inc.
17425 NE Union Hill Road
Redmond, WA 98052
(425) 889-3400

For Emergency Assistance involving chemicals call - CHEMTREC (800) 424-9300

83

The Version Date and Number for this MSDS is : 01/09/2007 - #002

PRODUCT IDENTIFICATION

PRODUCT NAME: METHANOL
MSDS#: EZ64835
DATE ISSUED: 09/30/2003
SUPERSEDES: NEW
ISSUED BY: 009292

This MSDS was reviewed on 01/09/2007, and is
current as of the DATE ISSUED above.

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name Methanol

Distributed by:
Univar USA Inc.
17425 NE Union Hill Road
Redmond, WA 98052
425-889-3400

Chemical Name	methanol
Synonym(s)	982893
Molecular Formula	CH ₄ O
Molecular Weight	32.04
Product Use	solvent
OSHA Status	hazardous

For emergency transportation information, call CHEMTREC at 800-424-9300

2. COMPOSITION INFORMATION ON INGREDIENTS

(Typical composition is given, and it may vary. A certificate of analysis
can be provided, if available.)

Weight %	Component	CAS Registry No.
100%	methanol	67-56-1

3. HAZARDS IDENTIFICATION

DANGER!

FLAMMABLE LIQUID AND VAPOR
MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED
CANNOT BE MADE NONPOISONOUS - VAPOR HARMFUL
HARMFUL IF ABSORBED THROUGH SKIN

HMIS(R) Hazard Ratings: Health - 2*, Flammability -3, Chemical Reactivity - 0

HMIS(R) rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

4. FIRST-AID MEASURES

Inhalation:

Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician or poison control center immediately.

Eyes:

Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Skin:

Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician or poison control center immediately. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

Ingestion:

Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.

Note to Physicians: Symptoms of poisoning may not appear for several hours. Keep under medical supervision for at least 48 hours.

5. FIRE FIGHTING MEASURES

Extinguishing Media:

Water spray, dry chemical, carbon dioxide, alcohol foam

Special Fire-Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire.

Hazardous Combustion Products:

Carbon dioxide, carbon monoxide

Unusual Fire and Explosion Hazards:

Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations.

Sensitivity to Static Discharge:

Material is unlikely to accumulate a static charge which could act as an ignition source.

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment. Eliminate all ignition

methanol%20bulk%20msds[1]

sources. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

For Large Spills:

Use water spray to disperse vapors and dilute spill to a nonflammable mixture.

Prevent runoff from entering drains, sewers, or streams.

7. HANDLING AND STORAGE

Personal Precautionary Measures:

Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling.

Prevention of Fire and Explosion:

Keep away from heat, sparks, and flame. Keep from contact with oxidizing materials. Use only with adequate ventilation. Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of flammable liquids.

Storage:

Keep container tightly closed and in a well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Country specific exposure limits have not been established or are not applicable unless listed below.

METHANOL

US. ACGIH Threshold Limit Values

Time Weighted Average (TWA): 200 ppm,

US. ACGIH Threshold Limit Values

Short Term Exposure Limit (STEL): 250 ppm,

US. ACGIH Threshold Limit Values

Skin designation: Can be absorbed through the skin.

METHYL ALCOHOL

US. NIOSH: Pocket Guide to Chemical Hazards

Recommended exposure limit (REL): 200 ppm, 260 mg/m³

US. NIOSH: Pocket Guide to Chemical Hazards

Short Term Exposure Limit (STEL): 250 ppm, 325 mg/m³

US. NIOSH: Pocket Guide to Chemical Hazards

Skin designation: Can be absorbed through the skin.

METHYL ALCOHOL; METHANOL

US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

Time Weighted Average (TWA) Permissible Exposure Limit (PEL): 200 ppm, 260 mg/m³

US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

Ceiling Limit Value: 1,000 ppm,

US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

Short Term Exposure Limit (STEL): 250 ppm, 325 mg/m³

US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

Skin designation: Can be absorbed through the skin.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

PEL: 200 ppm, 260 mg/m³

Ventilation:

methanol%20bulk%20msds[1]

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Respiratory Protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: full-face positive-pressure air-supplied

Eye Protection:

Wear safety glasses with side shields (or goggles). wear a full-face respirator, if needed.

Skin Protection:

Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

Recommended Decontamination Facilities:

Eye bath, washing facilities, safety shower

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid
Color: Colorless
Odor: Sweet, alcohol
Odor Threshold: 100 ppm
Specific Gravity: 0.79 (20 °C)
Vapor Pressure: 21 °C; 133 mbar
Vapor Density: 1.1
Freezing Point: -98 °C
Boiling Point: 65 °C
Evaporation Rate: 2.6 (n-butyl acetate = 1 Evaporation Rate: 0.2 (diethyl ether = 1)
Viscosity: 0.58 mPa.s (20 °C),
Solubility in water: Complete
pH: Not applicable
Octanol/Water Partition Coefficient: P: 0.17; log P: -0.77
Flash Point: 10 °C (Tag closed cup)
Lower Flammable Limit: 6.61 %(V)
Upper Flammable Limit: 36.5 %(V)
Autoignition Temperature: 446 °C (ASTM D2155)
Thermal Decomposition Temperature: (DTA) No exotherm to boiling

10. STABILITY AND REACTIVITY

Stability:
Stable.

Incompatibility:

Material reacts with strong acids, strong bases. Material reacts violently with strong oxidizing agents

Hazardous Polymerization:
Will not occur.

11. TOXICOLOGICAL INFORMATION

General:

Prolonged and repeated exposure to high vapor concentrations, skin absorption or ingestion of methanol may result in visual disturbances, metabolic acidosis, headache, giddiness, nausea, insomnia, gastric disturbance, dizziness, and slow breathing. There have been severe cases reported of blindness, coma and death due to the ingestion of methanol. Acute toxicity data, if available, are listed below. Additional toxicity data may be available on request.

Oral LD-50:(rat)	6.2 g/kg
Inhalation LC-50: (rat)	8 h: > 22500 ppm
Dermal LD-50: (rabbit)	15.8 g/kg
Skin Irritation (guinea pig)	moderate
Eye Irritation (rabbit)	slight

12. ECOLOGICAL INFORMATION

Acute toxicity data, if available, are listed below. Additional toxicity data may be available on request.

Oxygen Demand Data:

BOD-5: 0.76 - 1.12 g/g
 BOD-20: 1.26 g/g
 COD: 1.05 - 1.5 g/g

Acute Aquatic Effects Data:

96 h LC-50 (fathead minnow): > 10000 microliter(s)/l NOEC: 10000 microliter(s)A
 96 h LC-50 (sideswimmer): > 100 microliter(s)/l NOEC: 100 microliter(s)/l
 24 h EC-50 (daphnid): > 10000 mg/l
 96 h LC-50 (daphnid): > 1000 microliter(s)/l NOEC: 100 microliter(s)/l
 96 h LC-50 (ramshorn snail): > 100 microliter(s)A NOEC: 100 microliter(s)/l
 96 h LC-50 (aquatic earthworm): > 100 microliter(s)A NOEC: 100 microliter(s)A
 96 h LC-50 (pill bug): > 100 microliter(s)A NOEC: 100 microliter(s)/l
 96 h LC-50 (flatworm): > 100 microliter(s)/l NOEC: 100 microliter(s)/l

13. DISPOSAL CONSIDERATIONS

Discharge, treatment, or disposal may be subject to national, state, or local laws. Mix with compatible chemical which is less flammable and incinerate. Since emptied containers retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on ignition; do not cut, drill, grind, or weld on or near this container.

14. TRANSPORT INFORMATION

Marine pollutant components: None unless listed below

Reportable Quantity: 2,270 kg
 DOT (USA): Class 3 Packing group II
 ICAO Status: Class 3 Packing group II
 Subsidiary Risk Class 6.1
 IMDG Status: Class 3 Packing group II
 Subsidiary Risk Class 6.1

15. REGULATORY INFORMATION

WHMIS (Canada) Status: controlled
 WHMIS (Canada) Hazard Classification: B/2, D/1/B

methanol%20bulk%20msds[1]

SARA 311-312 Hazard Classification(s):

immediate (acute) health hazard
delayed (chronic) health hazard
fire hazard

SARA 313: None, unless listed below

METHANOL

Carcinogenicity Classification (components present at 0.1% or more):
none, unless listed below

TSCA (US Toxic Substances Control Act): This product is listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): This product is listed on the DSL or otherwise complies with CEPA new substance notification requirements.

EINECS (European Inventory of Existing Commercial Chemical Substances):
This product is listed on EINECS.

EINECS Number: 200-659-6

AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme): This product is listed on AICS or otherwise complies with NICNAS.

MITI (Japanese Handbook of Existing and New Chemical Substances): This product is listed in the Handbook or has been approved in Japan by new substance notification.

ECL (Korean Toxic Substances Control Act): This product is listed on the Korean inventory or otherwise complies with the Korean Toxic Substances Control Act.

16. OTHER INFORMATION

For Additional Information:

Contact: MSDS Coordinator - Univar USA

During business hours, Pacific Time - (425) 889-3400

NOTICE

Univar USA expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages.

Do not use ingredient information and/or ingredient percentages in this MSDS as a product specification. For product specification information refer to a Product Specification Sheet and/or a Certificate of Analysis. These can be obtained from your local Univar USA Sales Office.

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Univar USA makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Univar USA's control. Therefore, users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular

methanol%20bulk%20msds[1]

purposes, and they
assume all risks of their use, handling, and disposal of the product or from the
publication or use
of, or reliance upon, information contained herein. This information relates
only to the product
designated herein and does not relate to its use in combination with any other
material or in any
other process.

END OF MSDS

2009
Macey Family Properties



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/30/2008

Dear Louis Macey

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3009

Expiration Date 9/30/2010

Generator: Macey Family Properties

Address: 1717 St. James Place Ste 118
Houston, TX 77056

Waste Information

Name of Waste: Recyclable RCRA empty containers

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

RCRA empty containers last containing silicones.

Color: varies

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

level d ppe

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DB



☒ CES Environmental Services – Houston Facility
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

☐ CES Environmental Services – Port Arthur Facility
2420 S. Gulfway Drive, Port Arthur, TX 77641
Phone: (713) 676-1460 Fax: (713) 676-1676
U.S. EPA ID No: TXR000079307 ISWR No: 88585

SECTION 1: Material Producer Information

Company: Macey Family Properties
Address: 1717 St James Place Ste 118
City, State, Zip: Houston TX 77027
Contact: Louis Macey Title: _____
Phone No: 713-960-0690 Fax No: 713-960-8374
24/hr Phone: _____
U.S. EPA I.D. No: _____
State I.D. _____ SIC Code: _____

SECTION 2: Billing Information – ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Material / Product

Name of Material / Product: Recyclable RCRA Empty Containers

Detailed Description of Process Generating or Producing the Material / Product: RCRA empty containers last containing silicones.

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: Variety

Odor: None

Specific Gravity (water=1): 1.14 Density: 9.10 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 G

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 1-50 Other: _____

Proper U.S. DOT Shipping Name: Recyclable RCRA Empty Containers

Class: Na UN/NA: Na PG: Na RQ: Na

Flash Point >200	pH Na	N/A	N/A	Solids 0-5% 100
Oil & Grease Nmg/l	TOC Nmg/l	Zinc Nmg/l	Copper Nmg/l	Nickel Nmg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
RCRA Empty Containers	100	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.

Level D PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

MSDS Sheets *none*

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: *Louis Macey*

Date: 09/22/08

Printed Name/Title: *Louis Macey*

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <i>Rehman Raza</i>	
Date: <i>9-30-08</i>	Approved Rejected
Approval Number: <i>3009</i>	



MTS

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

\$10/dm

2. Contamination Limits (maximum limit before surcharges apply):

Not RCRA Empty

3. Surcharge Pricing:

None

4. Special Testing Requirements:

None

5. Treatment and Handling Protocol:

Crush in recycle with Metals or Plastics

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

Na

8. Management for Product Recovered/Recycled (if applicable):

Na

3010

International Cellulose



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/30/2008

Dear Michel Skok

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3010

Expiration Date 9/30/2010

Generator: International Cellulose

Address: 12315 Robin Rd
Houston, TX 77045

Waste Information

Name of Waste: RCRA empty containers

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

empty containers

Color: na

Odor: na

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110001789



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

DB

SECTION 1: Generator Information

Company : International Cellulose
Address : 12315 Robin Rd
City, State, Zip : Houston TX 77045
Contact : Michel Skok Title :
Phone No : (713) 433-6701 Fax : (713) 433-2900
24 / HR Phone :
U.S EPA I.D No : TXCESQG
State I.D : CESQG SIC Code

SECTION 2: Billing Information

Company : International Cellulose
Address : 12315 Robin Rd
City, State, Zip : Houston TX 77045
Contact : Michel Skok Title :
Phone No : (713) 433-6701 Fax : (713) 433-2900

SECTION 3: General Description of the Waste

Name of Waste : RCRA empty containers

Detailed Description of the Process Generating Waste:

empty containers

Physical State : ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color : na Odor : na
Specific Gravity (Water=1) : na Density : na lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers : ☒ Single-Phas ☐ Multi-Phase

Container Type : ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size : 55 gal

Number Of Units : 60

Is this a USEPA "Hazardous Waste" per 40 CFR 261.3? ☐ Yes ☒ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007
☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code No : Recycle

Proper U.S. State Waste Code No : Non-RCRA/Non-DOT Regulated Material

Class : na UN/NA : na PG : na RQ : na

Flash Point na	pH na	Reactive Sulfides na mg/l	Reactive Cyanides na mg/l	Solids na %
Oil and Grease na mg/l	TOC na mg/l	Zinc na mg/l	Copper na mg/l	Nickel na mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
empty containers	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
none

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ☒
TCLP Volatiles : ☒
TCLP Semi-Volatiles : ☒
Reactivity : ☒

Corrosivity : ☒ X

Ignitability : ☒ X

SECTION 9: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations

☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 10: Additional Instruction

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : _____

Printed Name / Title : _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 9-25-08 Status : ☒ Approved ☐ Rejected

Approval Number : 3010

Process Facility Information :

SiO/arum

3011
Ineos Polymers



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/30/2008

Dear Mark Broome

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3011

Expiration Date 9/30/2010

Generator: Ineos Polymers

Address: 1230 Battleground Road
La Porte, TX 77571

Waste Information

Name of Waste: Antifreeze

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Equipment maintenance

Color: green

Odor: antifreeze/glycol

pH: 3-11

Physical State:

Incompatibilities: na

Safety Related Data/Special Handling:

na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

JB / AL

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	INEOS Polyethylene, NA		
Address:	1230 Battleground Road		
City, State, Zip:	La Porte, TX 77571		
Contact:	Mark Broome	Title:	Environmental Engineer
Phone No:	713 307 3470	Fax No:	713 307 3007
24/hr Phone:	832 613 1966		
U.S. EPA I.D. No:	TXD980625958		
State I.D.	30704	SIC Code:	2821

SECTION 2: Billing Information - ☒ Same as Above

Company:			
Address:			
City, State, Zip:			
Contact:		Title:	
Phone No:		Fax No:	

SECTION 3: General Description of the Waste

Name of Waste: Antifreeze

Detailed Description of Process Generating Waste: Equipment maintenance

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Green

Odor: Antifreeze/glycol

Specific Gravity (water=1): 1 Density: 8 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 gal.

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly

Number of Units (containers): 10 Other:

Texas State Waste Code No: 10382961 recycle

Proper U.S. DOT Shipping Name: Non-regulated material per 40 & 49 CFR, DOT non-regulated, nonc

Class: na UN/NA: na PG: na RQ: na

Flash Point 210 F	pH 3-11	Reactive Sulfides na mg/l	Reactive na mg/l	Solids na% 0
Oil & Grease 715 mg/l	TOC 71500 mg/l	Zinc 16 mg/l	Copper 16 mg/l	Nickel 16 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Propylene Glycol Solution		100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

na

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

na

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

na

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: na

TCLP Volatiles: na

TCLP Semi-Volatiles: na

Reactivity: na

Corrosivity: na

Ignitability: na

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Mark Broome

Date: 9/28/08

Printed Name/Title: Mark Broome/Environmental Engineer

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Babette Gloga

Date: 9-30-08

Approved

Rejected

Approval Number: 3011

SECTION 10: Waste Receipt Classification Under 40 CFR 437Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.**Metals Subcategory: Subpart A**

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☒ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease. CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

**PROCESS FACILITY INFORMATION (CES USE ONLY!!)****1. Base Pricing (including freight):**

\$35/drum

2. Contamination Limits (maximum limit before surcharges apply):**3. Surcharge Pricing:****4. Special Testing Requirements:**

Test % glycol

5. Treatment and Handling Protocol:

glycol recycling

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

ethylene glycol

8. Management for Product Recovered/Recycled (if applicable):

glycol recycling

3012
GATX Rail (Galena)



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/30/2008

Dear Trey Weiser

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3012

Expiration Date 9/30/2010

Generator: GATX Rail Corporation (Galena Park)

Address: 1216 Clinton Drive
Galena Park, TX 77547

Waste Information

Name of Waste: Outdated used lube oil

TCEQ Waste Code #: CESQ2191

Container Type:

Detailed Description of Process Generating Waste:

Used oil from the repair of rail cars

Color: dark

Odor: hydrocarbon

pH: neutral

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110001803

GRP
Class 1

DC



<input checked="" type="checkbox"/> CES Environmental Services - Houston Facility 4904 Griggs Road, Houston, TX 77021 Phone (713) 676-1460 Fax: (713) 676-1460 U.S. EPA ID Number: TXD008950461 ISWR Number: 30900 TCEQ Industrial Solid Waste Permit Number: 30948	<input type="checkbox"/> CES Environmental Services - Port Arthur Facility 2420 S. Gulfway Dr., Port Arthur, TX 77641 Phone (713) 676-1460 Fax: (713) 676-1460 U.S. EPA ID Number: TXR000079307 ISWR Number: 88585
---	---

SECTION 1: Generator Information

Company: GATX Rail Corporation (Galena Park)
Address: 1216 Clinton Drive
City: Galena Park State: TX Zip: 77547
Contact: Ernie Guzman Title: _____
Phone Number: 713-455-4999 ext 13 Fax Number: 312-499-7392
24/hr Phone Number: 832-978-2163
US EPA ID No: TXCESQG
State ID No: CESQG SIC Code: NA

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City: _____ State: _____ Zip: _____
Contact: _____ Title: _____
Phone Number: _____ Fax Number: _____

SECTION 3: General Description of the Waste

Name of Waste: Outdated Used lube oils
Detailed Description of Process Generating Waste: _____

used oils from the repair of rail cars

Physical State: ☒ Liquid ☒ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination
Color: dark Odor: hydrocarbon

Specific Gravity (water=1): 1-1.05 Density: 8.34-8.4 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain)

Frequency: ☐ Weekly ☐ Monthly ☐ Yearly ☒ One-Time

Quantity: 5 gallon buckets (~10)

☐ Yes ☒ No

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009
☐ D010 ☐ D011

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

if "Yes", then please list ALL applicable codes:

Texas State Waste Code Number: CESQ2191

Proper US DOT Shipping Name:		Non RCRA/Non DOT Regulated Material			
Class:	NA	UN/NA:	NA	PG :	NA
				RQ:	NA

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
>150		neutral		na <u>mg/l</u>		na <u>mg/l</u>		0-5 <u>%</u>	
Oil & Grease		TOC		Zinc		Copper		Nickel	
>1500	<u>mg/l</u>	na	<u>mg/l</u>	na	<u>mg/l</u>	na	<u>mg/l</u>	na	<u>mg/l</u>

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. MSDS

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

None known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	NA
TCLP Volatiles:	NA
TCLP Semi-Volatiles:	NA
Reactivity:	NA
Corrosivity:	NA
Ignitability:	NA

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?

☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory : Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory : Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: 9/26/08

Printed Name/Title: _____

Ernest Garza Foreman**CES USE ONLY (DO NOT WRITE IN THIS SPACE)**

Compliance Officer: _____

Date: 9-30-08☒ Approved☐ Rejected

Approval Number: _____

3012



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

\$25.00/5 gal bucket; \$70.00/hour transportation

2. Contamination Limit (maximum limit before surcharges apply):

NA

3. Surcharge Pricing:

NA

4. Special Testing Requirements:

5. Treatment and Handling Protocol:

Put in class 1 sludge box

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

NA

8. Management for Product Recovered/Recycled (if applicable)

NA

Shawn Skansen **ecompressedair**

7255 East 46th St., Tulsa, OK 74145 ph 704-846-2004 sales@ecompressedair.com
<http://www.ecompressedair.com>

"S" SERIES
(32S, 46S, 68S, 100S and 150S)

PRODUCT IDENTIFICATION:

Chemical Name: Synthetic hydrocarbon

Chemical Family: Hydrotreated heavy paraffinic CAS# 64742-54-7

II. COMPONENTS & HAZARD STATEMENT:

All components of this material are on the Toxic Substances Control Act Chemical Substances Inventory. This product fits the ACGIH definition for oil mist. The ACGIH TLV is 5mg/M³ (mist) and the OSHA PEL is 5 mg/M³ (mist).

California Prop 65: this product may contain a chemical known to the state of California to cause cancer, birth defects or other reproductive harm. No special warning labels are required under OSHA CFR 1910.1200.

III. PHYSICAL DATA:

Viscosity: Various: 39 – 150 cSt. @40°C

Specific Gravity (Water = 1.0): 0.88-0.90

Boiling Point: Not determined Negligible

Vapor Pressure: Straw color - bland odor

Appearance & Odor Solubility in Water: Negligible

Other Data: Non-toxic USDA H-2 approved

IV. FIRE & EXPLOSION HAZARD DATA:

Flash Point, ASTM D92: >460°F

Autoignition Temperature: Not Established

Flammability Limits: Not Established

Extinguishing Media: *Dry Chemical; CO₂ Foam; Water Spray*

Special Fire Fighting Procedure:

Burning may produce irritating/noxious fumes. Firefighters should use NIOSH/MNSA approved self-contained breathing apparatus. Use water to cool fire-exposed containers to prevent pressure build-up.

V. REACTIVITY DATA:

Stability:	This product is stable and will not react with water.
Materials to Avoid:	Avoid strong oxidizers
Hazardous Decomposition Products:	Carbon monoxide, Carbon dioxide

VI. HEALTH INFORMATION:

Eye Contact:	Flush eyes with water for 15 minutes. Call a physician if irritation develops
Skin Contact:	Wash skin with soap and water.
Inhalation:	Remove to fresh air.
Ingestion:	First aid not normally required. If uncomfortable, call physician.

VII. HEALTH HAZARD DATA:

Exposure Limits: Not applicable

Effects of Overexposure: Low oral and dermal toxicity. Prolonged or repeated exposure may cause irritation, nausea, and vomiting.

VIII. EMPLOYEE PROTECTION:

For general personal hygiene, wash hands thoroughly after handling material. Avoid contact with skin and eyes. Chemical impervious gloves are recommended for prolonged exposure. Use in a well ventilated area

 **Compressedair**

7255 East 46th St., Tulsa, OK 74145 ph 704-846-2004 sales@ecompressedair.com
<http://www.ecompressedair.com>

VIII. STORAGE, SPILL & DISPOSAL PROCEDURES:

Storage: Store in clean, dry area.

Spills: Use absorbent materials to soak up fluid.

Disposal: Incinerate this product and all associated wastes in a licensed facility in accordance with Federal, state and local regulations.

IX. HAZARD RATING INFORMATION:

	HMIS	KEY	
Health:	0	4=Severe	0=Minimal
Flammability:	1	3=Serious	
Reactivity:	0	2=Moderate	B=Gloves, Goggles
Personal Protection:	B	1=Slight	

Regulator Information

California prop 65 (REPRO): 1, 2-Cienzendendicarboxylic Acid DIC9-1 1, Branched Alkylesters, C-10 rich.

This information contained herein is based on the data available to us and is believed to be true and accurate. eCompressedair makes no warranty, expressed or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. eCompressedair assumes no responsibility for injury from the use of this product.

Material Safety Data Sheet



SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Texaco Rando® HDZ

Product Use: Hydraulic Oil

Product Number(s): 01493, 01494, 01495, 01496, 01538, CPS221493, CPS221494, CPS221495, CPS221496, CPS221538

Synonyms: Texaco Rando® HDZ 100, Texaco Rando® HDZ 22, Texaco Rando® HDZ 32, Texaco Rando® HDZ 46, Texaco Rando® HDZ 68

Company Identification

Chevron Lubricants Canada Inc.

Lubricants Chevron Canada

6975-A Pacific Circle

Mississauga, ONT L5T 2H3

Canada

www.chevronlubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevron.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Highly refined mineral oil (C15 - C50)	Mixture	80 - 100 %weight

Information on ingredients that are considered Controlled Products and/or that appear on the WHMIS Ingredient Disclosure List (IDL) is provided as required by the Canadian Hazardous Products Act (HPA, Sections 13 and 14). Ingredients considered hazardous under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, are also listed. See Section 15 for additional regulatory information.

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

- HARMFUL TO AQUATIC ORGANISMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT

Revision Number: 1
Revision Date: June 17, 2008

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Texaco Rando® HDZ
MSDS : 8708CAN

EPAHO110001812

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 150 °C (302 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: Viton, 4H (PE/EVAL), Nitrile Rubber, Silver Shield.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

Occupational Exposure Limits:

Component	Country/ Agency	TWA	STEL	Ceiling	Notation
Highly refined mineral oil (C15 - C50)	ACGIH	5 mg/m3	10 mg/m3	--	--

NOTE ON OCCUPATIONAL EXPOSURE LIMITS: Consult local authorities for acceptable provincial values in Canada. Consult the Canadian Standards Association Standard 94.4-2002 Selection, Use and Care of Respirators.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Colorless to yellow

Physical State: Liquid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1

Boiling Point: >260°C (500°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Specific Gravity: 0.86 - 0.87 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

Odor Threshold: No Data Available

Coefficient of Water/Oil Distribution: No Data Available

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

Sensitivity to Mechanical Impact: No.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Revision Number: 1
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Texaco Rando® HDZ
MSDS : 8708CAN

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: LD50: >5g/kg (rabbit). The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: LD50: >5 g/kg (rat). The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components. For additional information on the acute toxicity of the components, call the technical information center.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is expected to be harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

ENVIRONMENTAL FATE

Ready Biodegradability: This material is not expected to be readily biodegradable. The biodegradability of this material is based on an evaluation of data for the components or a similar material.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods. (See B.C. Reg. GY/92 Waste Management Act; R.R.O. 1990, Reg. 347 General-Waste Management; C.C.S.M.c. W40 The Waste Reduction and Prevention Act; N.S. Reg. 51/95 and N.S. Reg. 179/96 for examples of Provincial legislation.)

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

TC Shipping Description: NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORTATION UNDER TDG REGULATIONS

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information: NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

SECTION 15 REGULATORY INFORMATION

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
35=WHMIS IDL

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), EINECS (European Union), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations. (See Hazardous Products Act (HPA), R.S.C. 1985, c.H-3,s.2).

MSDS PREPARATION:

This Material Safety Data Sheet has been prepared by the Toxicology and Health Risk Assessment Unit, ERTC, P.O. Box 1627, Richmond, CA 94804, (888)676-6183.

Revision Date: June 17, 2008

SECTION 16 OTHER INFORMATION

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

LABEL RECOMMENDATION:

Label Category : INDUSTRIAL OIL 1 - IND1

REVISION STATEMENT: This revision updates the following sections of this Material Safety Data Sheet: 15

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

Revision Number: 1
Revision Date: June 17, 2008

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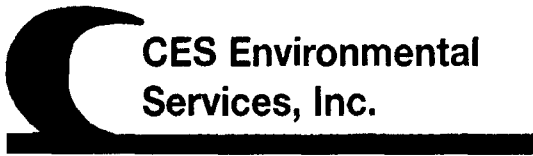
Texaco Rando® HDZ
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EPAHO110001817

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

3013
Macey Family Properties



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/30/2008

Dear Louis Macey

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3013

Expiration Date 9/30/2010

Generator: Macey Family Properties

Address: 1717 St. James Place Ste 118
Houston, TX 77056

Waste Information

Name of Waste: Recyclable used hydraulic oil

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Used hydraulic oil from forklift hydraulic oil change

Color: varies

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

level d ppe

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110001820

DRP



DB

☒ CES Environmental Services – Houston Facility
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

☐ CES Environmental Services – Port Arthur Facility
2420 S. Gulfway Drive, Port Arthur, TX 77641
Phone: (713) 676-1460 Fax: (713) 676-1676
U.S. EPA ID No: TXR000079307 ISWR No: 88585

SECTION 1: Material Producer Information

Company: Macey Family Properties
Address: 1717 St. James Place Ste. 118
City, State, Zip: Houston, TX 77056
Contact: Louis Macey Title: _____
Phone No: 713-960-0690 Fax No: 713-960-8374
24/hr Phone: _____
U.S. EPA I.D. No: Na
State I.D. Na SIC Code: Na

SECTION 2: Billing Information – ☐ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Material / Product

Name of Material / Product: Recyclable Used Hydraulic Oil
Detailed Description of Process Generating or Producing the Material / Product: Used Hydraulic Oil from the changing fork lifts.

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Variety Varies Odor: None

Specific Gravity (water=1): 7.9 Density: 7.8 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 G _____

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 1-50 Other: _____

Proper U.S. DOT Shipping Name: Recyclable Used Oil
Class: Na UN/NA: Na PG: Na RQ: Na

Flash Point >200	pH Na	N/A	N/A	Solids 0-5-%
Oil & Grease Nmg/l	TOC Nmg/l	Zinc Nmg/l	Copper Nmg/l	Nickel Nmg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Used Hydraulic Oil	100	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.

Level D PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

MSDS Sheets

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Louis Macey

Date: 09/22/08

Printed Name/Title: Louis Macey

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Technical Manager: _____

Date: _____ Approved Rejected

Approval Number: _____

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

\$0/dm- if no water
if any water then \$30/dm

2. Contamination Limits (maximum limit before surcharges apply):

Fails Chlor-d-Tect

3. Surcharge Pricing:

None

4. Special Testing Requirements:

Chlor-d-Tect, Flash, % Water, (See if can go with Base Oil) ; do an inbound and list how many drums have water and how many are 100% oil. we charge \$30 for every drum that has any water in it.

5. Treatment and Handling Protocol:

Recycle in Oil facility

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C

7. Tests for Product Recovered/Recycled (if applicable):

Standard Oil Tests

8. Management for Product Recovered/Recycled (if applicable):

Sell in appropriate Oil Market

3014
GATX Rail (Galena)



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/30/2008

Dear Trey Weiser

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3014

Expiration Date 9/30/2010

Generator: GATX Rail Corporation (Galena Park)

Address: 1216 Clinton Drive
Galena Park, TX 77547

Waste Information

Name of Waste: Used citri clean

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

cleaning of rail car parts in repair operations

Color: dark

Odor: citrus

pH: 4-6

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

GRP

DC



<input checked="" type="checkbox"/> CES Environmental Services - Houston Facility 4904 Griggs Road, Houston, TX 77021 Phone (713) 676-1460 Fax: (713) 676-1460 U.S. EPA ID Number: TXD008950461 ISWR Number: 30900 TCEQ Industrial Solid Waste Permit Number: 30948	<input type="checkbox"/> CES Environmental Services - Port Arthur Facility 2420 S. Gulfway Dr., Port Arthur, TX 77641 Phone (713) 676-1460 Fax: (713) 676-1460 U.S. EPA ID Number: TXR000079307 ISWR Number: 88585
---	---

SECTION 1: Generator Information

Company: GATX Rail Corporation (Galena Park)
 Address: 1216 Clinton Drive
 City: Galena Park State: TX Zip: 77547
 Contact: Ernie Guzman Title: _____
 Phone Number: 713-455-4999 ext 13 Fax Number: 312-499-7392
 24/hr Phone Number: 832-978-2163
 US EPA ID No: TXCESQG
 State ID No: CESQG SIC Code: NA

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Contact: _____ Title: _____
 Phone Number: _____ Fax Number: _____

SECTION 3: General Description of the Waste

Name of Waste: Used Citri Clean
 Detailed Description of Process Generating Waste: _____

cleaning of rail car parts in repair operations

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: dark Odor: citrus

Specific Gravity (water=1): 1-1.05 Density: 8.34-8.4 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☒ Other (explain)

Frequency: ☐ Weekly ☐ Monthly ☐ Yearly ☒ One-Time

Quantity: 1 drum/1.5 gal bucket

☐ Yes ☒ No

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)

☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009
☐ D010 ☐ D011

☐ Yes ☒ No

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Recycle

Flammable Liquid, n.o.s.

Class:	3 UN/NA:	UN1993	PG :	II	RQ:	NA
---------------	-----------------	--------	-------------	----	------------	----

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
130-135		4-6		na <u>mg/l</u>		na <u>mg/l</u>		0-2 <u>%</u>	
Oil & Grease		TOC		Zinc		Copper		Nickel	
1-5	<u>mg/l</u>	na	<u>mg/l</u>	na	<u>mg/l</u>	na	<u>mg/l</u>	na	<u>mg/l</u>

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. MSDS, CES Lab report

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

None known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	NA
TCLP Volatiles:	NA
TCLP Semi-Volatiles:	NA
Reactivity:	NA
Corrosivity:	NA
Ignitability:	NA

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?

☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Date: 9-30-08

☒ Approved☐ Rejected

Approval Number: 3014



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

\$75.00/55 gal drum; \$25.00/5 gal bucket; \$70.00/hour transportation

2. Contamination Limit (maximum limit before surcharges apply):

NA

3. Surcharge Pricing:

NA

4. Special Testing Requirements:

Chlordetect on oil phase, pH, flash, % solids, phenols, metals
1 Drum - Process to be heat tank

5. Treatment and Handling Protocol:

Mix with black oils

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

NA

8. Management for Product Recovered/Recycled (if applicable)

NA

MSDS Material Safety Data Sheet

UNITEX

CITRI-CLEAN

MSDS Number: 4006

Page 1 of 4

Revision Date: OCT-04-2003

1 PRODUCT AND COMPANY IDENTIFICATION

ManufacturerUNITEX
3101 GARDER AVENUE

KANSAS CITY, MO 64120

Contact:

Telephone Number: 816-231-7700

FAX Number: 816-483-3149

E-Mail: mail@unitex-chemicals.com

Web www.unitex-chemicals.com

Product Name: CITRI-CLEAN
Revision Date: OCT-04-2003
MSDS Number: 4006
Common Name: CITRI-CLEAN
Product Code: CITRI-CLEAN
Product Use: CLEANER, DEGREASER
Emergency Telephone No.: 800-424-9300

MSDS Prepared by: Wm. Michael Simmons Director of Safety Phone: 816-231-7700

HAZARD RATINGS: HEALTH (1) FIRE (2) REACTIVITY (0) EQUIPMENT (C)

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.
5989275	Citrus Distillates	>95%
NE		> 5%

3 HAZARDS IDENTIFICATION

Route of Entry: Eyes; Skin; Swallowing; Inhalation

Target Organs: Exposure to this material (or a component) has been found to cause kidney damage in male rats. The mechanism by which this toxicity occurs is specific to the male rats and the kidney effects are not expected to occur in humans.

Inhalation: Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits.

Skin Contact: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Additional symptoms of skin contact may include: allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effects) Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Eye Contact: May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

Ingestion: Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

MSDS Material Safety Data Sheet

UNITEX

CITRI-CLEAN

MSDS Number: 4006

Page 2 of 4

Revision Date: OCT-04-2003

4**FIRST AID MEASURES**

- Inhalation:** Remove to fresh air. If discomfort persists, get medical attention.
- Skin Contact:** May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Additional symptoms of skin contact may include: allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effect). Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.
- Eye Contact:** May cause eye irritation. Symptoms include stinging, tearing, and redness. Flush with fresh water for 15 minutes while gently holding open eyelids.
- Ingestion:** Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

5**FIRE FIGHTING MEASURES**

Flash Point: 122F/ 177C
Flash Point Method: Pensky Martens Closed Cup
Burning Rate: ND
Autoignition Temperature: ND
LEL: NE
UEL: NE
Flammability Classification: Moderate

Other:
NFPA Class B extinguisher (co2, dry chemical or foam) for class 1C fires. Water spray may be ineffective on fire but can protect fire-fighters and cool closed containers. Use fog nozzles if water is used. Use air supplied breathing masks. Unusual Fire and Explosion Hazards: Keep away from heat and open flame. Closed container may explode if exposed to extreme heat.

6**ACCIDENTAL RELEASE MEASURES**

SMALL SPILL
Absorb liquid with vermiculitem floor absorbent or other absorbent material.

LARGE SPILL
Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area or spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If run-off occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Prevent run-off to sewers, streams or other bodies of water.

7**HANDLING AND STORAGE**

Handling Precautions: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, an/or solid), all hazard precautions given in the data sheet must be observed.

Storage Requirements: INDUSTRIAL USE ONLY!
Keep away from heat, sparks, and flames. Store in a cool/dry area. DO NOT STORE ABOVE 49C (120F). Store away from oxidizers. Keep out of reach of children.

8**EXPOSURE CONTROLS/PERSONAL PROTECTION**

MSDS Material Safety Data Sheet

UNITEX

CITRI-CLEAN

MSDS Number: 4006

Page 3 of 4

Revision Date: OCT-04-2003

Engineering Controls:**Protective Equipment:**

Respiratory Protection: NIOSH approved respirator for emergency use. Local exhaust is preferable. Mechanical equipment is acceptable.
Protective gloves; must not dissolve in solvents.
Eye protection use splash proof safety goggles.
Other equipment as required to prevent prolonged contact.

Note to Physicians: Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions).

This material is not listed by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

9**PHYSICAL AND CHEMICAL PROPERTIES****Appearance:** Clear water-white to slightly orange**Physical State:** Liquid**Odor:** Orange Citrus**pH:** ND**Vapor Pressure:** 20C(Mm of Hg): 1.0**Vapor Density:** 4.73**Boiling Point:** 348-350 F**Freezing/Melting Pt.:** Varies on concentration**Solubility:** Moderate**Spec Grav./Density:** ND**Heat Value:** ND**Evap. Rate:** Slower Than Ether**Percent Volatile:** 100%**10****STABILITY AND REACTIVITY****Stability:** Stable**Conditions to avoid:** Heat, sparks and open flame.**Materials to avoid (incompatibility):** Isolate from strong oxidizers such as permanganate.**Hazardous Decomposition products:** Carbon Monoxide and Carbon Dioxide.**Hazardous Polymerization:** Will not occur.**11****TOXICOLOGICAL INFORMATION**

No data available

12**ECOLOGICAL INFORMATION**

No data available

13**DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all applicable local, state and federal regulations.

Material Safety Data Sheet

MSDS Number: 4006

Page of
Revision Date: OCT-04-2003**14 TRANSPORT INFORMATION**

Consult DOT 49 CFR 172.101 for transportation information.

15 REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substance Control Act) Status: TSCA (United States) The international ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a) - None listed

SARA 302 Components - 40 CFR 355 Appendix A - None

Section 311/312 Hazard Class - 40 CFR 370.2

Immediate(x) Delayed() Fire(x) Reactive() Sudden Release of Pressure()

SARA 313 Components - 40 CFR 372.5 - None

OSHA Process Safety Management 29 CFR 1910 - None listed

EPA Accidental Release Prevention 40 CFR 69 - None listed

State and Local Regulations

California Proposition 65 - None

16 OTHER INFORMATION

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR

END OF MSDS DOCUMENT



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

To: Dana Carter
Cc: Matt Bowman, Gary Peterson, Prabhaker,
Matt Moser, Joe Camp

Date: 09/24/08

From: Miles Root

Lab Memo: 08-162

Subject: **GATX Galena Park Evaluation 0908-45**

A sample of used cleaner from GATX, Galena Park, has been evaluated for potential processing at CES. This sample is evaluation 0908-45. This sample represents a stream of approximately one drum of citrus cleaner and water used in rail car repair operations.

The cleaner is an organic solvent that mixes readily with our black oil. It has a chlor-d-tect of 1000 mg/L, which is acceptable. The flash point of this material is 130-135 deg F. The water phase has a pH of 4.3 and is approximately 40% of the sample. This sample readily separates out into the oil and water phases so it does not need heat or acid to break out. We should price to cover our extra labor costs for handling just one drum and process to recover the oil phase.

3015
GATX Rail (Galena)



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 10/1/2008

Dear Trey Weiser

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3015

Expiration Date 10/1/2010

Generator: GATX Rail Corporation (Galena Park)

Address: 1216 Clinton Drive
Galena Park, TX 77547

Waste Information

Name of Waste: RCRA empty containers

TCEQ Waste Code #: recycle

Container Type:

Detailed Description of Process Generating Waste:

empty containers

Color: na

Odor: na

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : GATX Rail Corporation (Galena Park)
Address : 1216 Clinton Drive
City, State, Zip : Galena Park TX 77547
Contact : Trey Weiser Title :
Phone No : (713) 455-4999 Fax :
24 / HR Phone :
U.S EPA I.D No : N/A
State I.D : N/A SIC Code

SECTION 2: Billing Information

Company : GATX Rail Corporation (Galena Park)
Address : 1216 Clinton Drive
City, State, Zip : Galena Park TX 77547
Contact : Trey Weiser Title :
Phone No : (713) 455-4999 Fax :

SECTION 3: General Description of the Waste

Name of Waste : RCRA empty containers

Detailed Description of the Process Generating Waste:
empty containers

Physical State : ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color : na Odor : na

Specific Gravity (Water=1) : na Density : na lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers : ☒ Single-Phas ☐ Multi-Phase

Container Type : ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size : 55 gal

Number Of Units : 5

Is this a USEPA "Hazardous Waste" per 40 CFR 261.3? ☐ Yes ☒ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007
☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code No : recycle

Proper U.S. State Waste Code No : Non-RCRA/Non-DOT Regulated Material(empty containers)

Class : na UN/NA : na PG : na RQ : na

Flash Point na	pH na	Reactive Sulfides na mg/l	Reactive Cyanides na mg/l	Solids na %
Oil and Grease na mg/l	TOC na mg/l	Zinc na mg/l	Copper na mg/l	Nickel na mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
empty containers	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
none

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ☒
TCLP Volatiles : ☒
TCLP Semi-Volatiles : ☒
Reactivity : ☒

Corrosivity : X
Ignitability : X

SECTION 9: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations

☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 10: Additional Instruction

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : _____

Printed Name / Title : none needed / _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information :

Compliance Officer : Prabhakar Thangudu

Date : 10/1/2008 Status : Approved Rejected

Approval Number : HOU-3015

3016
Ineos Polymers

7E
8-4-09
T-35
LAB



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 10/2/2008

Dear Mark Broome

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3016

Expiration Date 10/2/2010

Generator: Ineos Polymers

Address: 1230 Battleground Road
La Porte, TX 77571

Waste Information

Name of Waste: Antifreeze

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Equipment maintenance

Color: green

Odor: antifreeze/glycol

pH: 3-11

Physical State:

Incompatibilities: na

Safety Related Data/Special Handling:

na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110001846



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Ineos Polymers
Address : 1230 Battleground Road 1230 Battleground Rd suite 500
City, State, Zip : La Porte TX 77571
Contact : Mark Broome Title :
Phone No : (713) 307-3740 Fax :
24 / HR Phone :
U.S EPA I.D No :
State I.D : SIC Code

SECTION 2: Billing Information

Company : Ineos Polymers
Address : 1230 Battleground Road 1230 Battleground Rd suite 500
City, State, Zip : La Porte TX 77571
Contact : Mark Broome Title :
Phone No : (713) 307-3740 Fax :

SECTION 3: General Description of the Waste

Name of Waste : Antifreeze

Detailed Description of the Process Generating Waste:

Equipment maintenance

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : green Odor : antifreeze/glycol
Specific Gravity (Water=1) : 1 Density : 8 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers : ☒ Single-Phas ☐ Multi-Phase

Container Type : ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size : 55

Number Of Units : 10

Is this a USEPA "Hazardous Waste" per 40 CFR 261.3? ☐ Yes ☐ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007
☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☐ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code No : Recycle

Proper U.S. State Waste Code No : Non-RCRA/Non-DOT Regulated Material

Class : na UN/NA : na PG : na RQ : na

Flash Point 210	pH 3-11	Reactive Sulfides na mg/l	Reactive Cyanides na mg/l	Solids 0 %
Oil and Grease >1500 mg/l	TOC >1500 mg/l	Zinc na mg/l	Copper na mg/l	Nickel na mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
propylene glycol solution	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

na

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

na

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

na

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ☒

TCLP Volatiles : ☒

TCLP Semi-Volatiles : ☒

Reactivity : ☒

Corrosivity : x

Ignitability : x

SECTION 9: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations

☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 10: Additional Instruction

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : _____

Printed Name / Title : _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information :

Compliance Officer : Prabhakar Thangudu

Date : 10/2/2008

Status : Approved

Rejected

Approval Number :

HOU-3016

2989

Dresser Roots (Tanner Road)



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/16/2008

Dear Dan Estes

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2989

Expiration Date 9/16/2010

Generator: Dresser Roots (Tanner Road)

Address: 11611 Tanner Road Bldg B
Houston, TX 77041

Waste Information

Name of Waste: Unused and used oil

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Equipment fluid changes and off-spec material

Color: black/amber

Odor: oil like

pH: na

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level d

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110001852



**CES Environmental
Services, Inc.**

RECEIVED
SEP 10 2008

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

BY: _____

AR

SECTION 1: Generator Information

Company: Dresser Roots (Tanner Road)
Address: 11611 Tanner Road Bldg. B
City, State, Zip: Houston, TX 77041
Contact: Dan Estes Title: EH & S Mgr.
Phone No: 713-896-4810 Fax No: 713-896-4927
24/hr Phone: CES-713-676-1460
U.S. EPA I.D. No: _____
State I.D. _____ SIC Code: _____

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Waste

Name of Waste: Unused and used oil

Detailed Description of Process Generating Waste: Equipment fluid changes and off-spec material

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: black/amber

Odor: oil like

Specific Gravity (water=1): 1.3

Density: 10 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☒ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size: 55 _____

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly

Number of Units (containers): 5-10 Other: _____

Texas State Waste Code No: NA-Recyclable Material

Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material

Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point NA	pH NA	Reactive Sulfides NAmg/l	Reactive Cyanides NAmg/l	Solids ≤2%
Oil&Grease >1500mg/l	TOC >1500mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Used Combustion oil	33-100	%
Off-Spec unused Oil	33-100	%
Water	0-33	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

CES Evaluation Report

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ☒ X
TCLP Volatiles: ☒ X
TCLP Semi-Volatiles: ☒ X
Reactivity: ☒ X
Corrosivity: ☒ X
Ignitability: ☒ X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: 9-9-08

Printed Name/Title: _____

Dan Estes - Materials Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Date: _____

9-16-08

Approved

Rejected

Approval Number: _____

2989

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☒ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

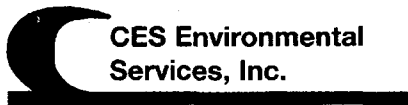
Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☒ Oils Subcategory
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

\$45.00/drum Trans \$70.00 plus FSC

2. Contamination Limits (maximum limit before surcharges apply):

NA

3. Surcharge Pricing:

NA

4. Special Testing Requirements:

NA

% oil, % solids, flash; test water for pH, phenols, toe, metals

5. Treatment and Handling Protocol:

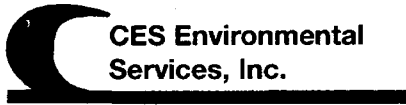
Recover Oil, water to waste water

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☒ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

Standard

8. Management for Product Recovered/Recycled (if applicable):

Standard



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

To: Gary Brauckman
Cc: Matt Bowman, Gary Peterson, Prabhaker,
Matt Moser, Joe Camp

Date: 09/03/08

From: Miles Root

Lab Memo: 08-155

Subject: **Dresser Roots Evaluations 0908-02 thru 06**

Four solvent samples and one oily water sample from Dresser Roots have been evaluated for determination of waste classification. These samples are evaluations 0908-02 thru 0908-06.

The solvent samples all have small aqueous layers from which the pH measurements were taken. The oily water can be taken as a recyclable as the chlor-d-test is low. All of the results from the analytical testing are summarized in the table below.

Dresser Roots Evaluation Samples Summary					
	Tech-U-Solve	Crystal Clean	Oily Water	Unknown DM #17	Unknown DM # 20
	0908-02	0908-03	0908-04	0908-05	0908-06
pH	3	5	5	4	4
Flash Point, deg F	135-139	>140		110-115	>140
Oil, vol%			1.2		
Chlor-d-test, mg/L	300	2800	500	200	>4000
Treatability			Lots of Solids		
Phenols, ppm			0		
TOC, ppm			<300		

2990

Dresser Roots (Tanner Road)



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/16/2008

Dear Dan Estes

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2990

Expiration Date 9/16/2010

Generator: Dresser Roots (Tanner Road)

Address: 11611 Tanner Road Bldg B
Houston, TX 77041

Waste Information

Name of Waste: RCRA drums and containers

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Empty product drums

Color: various

Odor: none

pH: na

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level d

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110001861



**CES Environmental
Services, Inc.**

RECEIVED
SEP 10 2008

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

BY: _____

AS

SECTION 1: Generator Information

Company: Dresser Roots (Tanner Road)
Address: 11611 Tanner Road Bldg. B
City, State, Zip: Houston, TX 77041
Contact: Dan Estes Title: EH & S Mgr.
Phone No: 713-896-4810 Fax No: 713-896-4927
24/hr Phone: CES-713-676-1460
U.S. EPA I.D. No: _____
State I.D. _____ SIC Code: _____

SECTION 2: Billing Information – ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Waste

Name of Waste: RCRA Empty Drums and Containers

Detailed Description of Process Generating Waste: Empty Product Drums

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: Various

Odor: none

Specific Gravity (water=1): 1.3 *va*

Density: 10 lbs/gal *vr*

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size: 15-55

300

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly

Number of Units (containers): 10-20 Other: _____

Texas State Waste Code No: NA-Recyclable Material

Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material

Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point NA	pH NA	Reactive Sulfides NAmg/l	Reactive Cyanides NAmg/l	Solids 100%
Oil&Grease >1500mg/l	TOC <1500mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Empty Metal Drums	33-100	%
Empty Poly Drums	33-100	%
Empty Totes	0-33	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
none

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ☒ X
TCLP Volatiles: ☒ X
TCLP Semi-Volatiles: ☒ X
Reactivity: ☒ X
Corrosivity: ☒ X
Ignitability: ☒ X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: *Dan Estes*

Date: 9-9-08

Printed Name/Title: Dan Estes - Materials Mgr.

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: <u><i>Robert B. Thayer</i></u>	
Date: <u>9-16-08</u>	Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>
Approval Number: <u>2990</u>	

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

\$15.00 per drum; \$75.00 per tote Trans \$70.00/hour plus FSC

2. Contamination Limits (maximum limit before surcharges apply):

NA

3. Surcharge Pricing:

NA

4. Special Testing Requirements:

NA

5. Treatment and Handling Protocol:

NA

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

NA

8. Management for Product Recovered/Recycled (if applicable):

NA

2991
Wal-Mart Store # 504



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/17/2008

Dear Todd

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2991

Expiration Date 9/16/2010

Generator: Wal-mart Store #504 c/o Environmental Products & Services

Address: 6702 Seawall Blvd.
Galveston, TX 77551

Waste Information

Name of Waste: Recyclable Hydrocarbon and Water

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

hydrocarbon and water from oil changing areas in other various hydrocarbon containing areas

Color: dark

Odor: hydrocarbon

pH: 4-10

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.


**CES Environmental
Services, Inc.**

 4904 Griggs Road, Houston, TX 77021
 Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

DB/MM

SECTION 1: Generator Information

Company: Wal-mart Stores c/o Environmental Products & Services
 Address: 6702 Seawall Blvd (other various locations)
 City: Galveston State: TX Zip: 77551
 Contact: Todd Title: _____
 Phone Number: 315-480-4357 Fax Number: 518-465-5722
 24/hr Phone Number: 315-480-4000
 US EPA ID No: na
 State ID No: na SIC Code: na

SECTION 2: Billing Information - ☐ Same as Above

Company: Environmental Products & Services
 Address: 40 Hamilton Ln.
 City: ~~Albany~~ Genmont State: NY Zip: 12077
 Contact: _____ Title: _____
 Phone Number: _____ Fax Number: _____

SECTION 3: General Description of the Waste

Name of Waste: Recyclable hydrocarbon and water
 Detailed Description of Process Generating Waste: hydrocarbon and water from oil changing
 areas in other various hydrocarbon containing areas

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: dark Odor: hydrocarbon

Specific Gravity (water=1): ~1 Density: 7.5-8.3 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No
 Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☒ Monthly ☐ Yearly ☐ One-Time

Quantity: 5-10 trailers

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. generator knowledge

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):
oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	<u>x</u>
TCLP Volatiles:	<u>x</u>
TCLP Semi-Volatiles:	<u>x</u>
Reactivity:	<u>x</u>
Corrosivity:	<u>x</u>
Ignitability:	<u>x</u>

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.
I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: [Signature] Date: 9/16/08
Printed Name/Title: Scott Adams Project Mgr EBSUT

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer:	
Date: <u>9/16/08</u>	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected
Approval Number: <u>2991</u>	

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge?

☐ YES☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.**Metals Subcategory: Subpart A**

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☒ Used oils
- ☒ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☒ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

.11/gal < 5000 TOC, .15/gal up to 20,000 TOC, above 20,000 TOC Call Dan

2. Contamination Limit (maximum limit before surcharges apply):

flash point <120, haz pH levels, metals > discharge limits, if oil fails Chlor-D-tect CALL Dan

3. Surcharge Pricing:

standard, Call Dan for approval

4. Special Testing Requirements:

flash, pH, TOC, metals, Chlor-D-tect on oil phase

5. Treatment and Handling Protocol:

send to hydrocarbon processing facility

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

na

8. Management for Product Recovered/Recycled (if applicable)

na

2992

Foster Products Corp



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/17/2008

Dear Ben Smith

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2992

Expiration Date 9/17/2010

Generator: Foster Products Corp.

Address: 6107 Industrial Way
Houston, TX 77011

Waste Information

Name of Waste: Wastewater sludge

TCEQ Waste Code #: 00076092

Container Type:

Detailed Description of Process Generating Waste:

Fresh water used to rinse out latex based coatings tank

Color: white

Odor: none

pH: 6-10

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110001878

DC

OKed by
MarlinCES Environmental
Services, Inc.4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Foster Products Corp.
Address : 6107 Industrial Way 6107 Industrial Way
City, State, Zip : Houston TX 77011
Contact : Ben Smith Title :
Phone No : (713) 369-1030 Fax : (713) 926-8908
24 / HR Phone :
U.S EPA I.D No : N/A
State I.D : 31677 SIC Code na

SECTION 2: Billing Information

Company : Foster Products Corp.
Address : 6107 Industrial Way 6107 Industrial Way
City, State, Zip : Houston TX 77011
Contact : Ben Smith Title :
Phone No : (713) 369-1030 Fax : (713) 926-8908

SECTION 3: General Description of the Waste

Name of Waste : Wastewater sludge

Detailed Description of the Process Generating Waste:

Fresh water used to rinse out latex-based coatings tank

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : white Odor : none

Specific Gravity (Water=1) : 1-1.3 Density : 8.34-9 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ NoDoes this material contain any para substituted phenolic compounds? ☐ Yes ☒ NoIs the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers : ☐ Single-Phase ☒ Multi-PhaseContainer Type : ☒ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size : 5000

Number Of Units : 1

Is this a USEPA "Hazardous Waste" per 40 CFR 261.3? ☐ Yes ☒ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007
☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code No : 00076092

Proper U.S. State Waste Code No : Non-RCRA/Non-DOT Regulated *Wastewater*

Class : na UN/NA : na PG : na RQ : na

Flash Point >200	pH 6-10	Reactive Sulfides 0 mg/l	Reactive Cyanides 0 mg/l	Solids 50-80 %
Oil and Grease 0 mg/l	TOC >1000 mg/l	Zinc 0 mg/l	Copper 0 mg/l	Nickel 0 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
water		65-95	%
solids/sludge		0-24	%
<i>Poster 32-19</i>		<i>3-10 90</i>	

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

std

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

msds

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

none known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ☒
TCLP Volatiles : ☒
TCLP Semi-Volatiles : ☒
Reactivity : ☒

Corrosivity : ☒
 Ignitability : ☒

SECTION 9: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☒ YES NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☒ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations

☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 10: Additional Instruction

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : Ben Smith

Date : 9-17-08

Printed Name / Title : Ben Smith /

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information :

Compliance Officer : Prabhakar Thangudu

Date : 9-17-08

Status :

☒ Approved

☐ Rejected

Approval Number : 2992



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

.09/gal trans, .20/gal material

2. Contamination Limit (maximum limit before surcharges apply):

ask Marlin

3. Surcharge Pricing:

4. Special Testing Requirements:

5. Treatment and Handling Protocol:

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☒ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--

Profile # **0606081002BH**

NES TX/NID

NONHAZARDOUS SOLID WASTE DISPOSAL APPLICATION**1. GENERATOR CERTIFICATION**

I hereby certify that I am the legal generator of the waste described below. The waste description on this form and all attachments are, to the best of my knowledge and ability, representative, complete, and accurate. This waste is not a regulated hazardous waste by USEPA, State of Origin, or State of Disposal, nor does it contain PCBs regulated by TSCA (i.e., 40 CFR 761) or any local authority.

GENERATOR'S SIGNATURE/GENERATOR'S AUTHORIZED SIGNATORY:

Date: 5-24-07Signature: Ben SmithPrinted/Typed Name, Title, Employer: Ben Smith / Shift Manager / Foster Products**2. GENERATOR INFORMATION**

a. Generator's Name:	<u>Foster Products Corp.</u>	d. Billing Name:	<u>CES Environmental Services Inc</u>
b. Generator's Address:	<u>6107 Industrial Way</u>	e. Billing Address:	<u>4904 Gregg Road</u>
City: <u>Houston</u>	State: <u>TX</u> Zip: <u>77011</u>	City: <u>Houston</u>	State: <u>TX</u> Zip: <u>00007-7021</u>
Telephone: (<u>713</u>) <u>826-1329</u>		f. Contact Person:	<u>Juanita Thomas</u>
Fax: (<u>713</u>) <u>878-1678</u>		g. Telephone:	<u>713-676-1460</u>
c. Generator Representative:	<u>Dana Carter</u>	Fax: (<u>713</u>) <u>676-1676</u>	
Title: <u>Agent for Generator</u>		Email: <u>thomas@cesenvironmental.com</u>	
Telephone: (<u>713</u>) <u>748-8804</u>			
Fax: (<u>713</u>) <u>678-1678</u>			

3. WASTE DESCRIPTION

a. Waste Name/Waste Description: Non RCRA Wastewater

b. Process of Waste Generation: Rinsing of pots and vessels used in manufacturing Foster 32-19

c. TCEQ Waste Code # (If Applicable): 000 76092

d. Origin of Waste:

() <u>Oil and Gas Facility</u>	(X) <u>Industrial Facility</u>
Field Name/#:	Facility Name: <u>Foster Products Corp</u>
Lease Name/#:	Address: <u>6107 Industrial Way</u>
Well Name/#:	City: <u>Houston</u>
Rig Name/#:	Parish/County: <u>Harris</u>
Parish/County:	State: <u>TX</u>
State:	Facility State Id: <u>31677</u>

e. Physical State: () Solid () Semi-Solid (X) Liquid () Powder () Combination

f. Color Milky to yellow to pale blue Odor mild/sweet odor PPE Level (A-K,X) D

g. Anticipated Waste Volume: 5000 () Tons () CuYds (X) Gals () CuMtrs () BBLs

Frequency: () Year (X) Month () Week () Day () One Time () Other

h. Specify Method of Shipment: Bulk Tank Trailer

4. WASTE COMPOSITION & CONSTITUENTS

Physical Components	Concentration Range	Units	Amendments (Newpark Only)
Oil and Grease:	<u><2</u>	%	
Water:	<u>85-95</u>	%	
Solids:	<u>3-6 0-24</u>	%	
Foreign Debris:		%	
Other (List Below):			
Foster 32-19	<u>3-10</u>	%	
pH:	<u>6-10</u>		
Specific Gravity:	<u>.99-1</u>		
NORM-Ra 226:	<u><30</u>	pCi/gm	
Total Activity:	<u><150</u>	pCi/gm	

revised 4/21/06

Replaces Profile 771BH
MSDS for Foster 32-19 Attached

Methods:

Profile # **0606081002BH**

(A) TCLP(mg/l) (B) TOTAL(mg/l) (C) GENERATOR KNOWLEDGE

Method/Chemical	Reg. Limit	Below	Above	Method	Method	Reg. Limit	Below	Above	Method
Benzene	0.5 mg/L	X		C	Arsenic	5 mg/L	X		C
Carbon Tetrachloride	0.5 mg/L	X		C	Barium	100 mg/L	X		C
Chlorobenzene	100 mg/L	X		C	Bismuth	5 mg/L	X		C
Chloroform	5 mg/L	X		C	Boron	5 mg/L	X		C
Cresol	200 mg/L	X		C	Cadmium	5 mg/L	X		C
Dioxin	200 mg/L	X		C	Mercury	0.2 mg/L	X		C
1,4-Dichlorobenzene	7.5 mg/L	X		C	Selenium	1 mg/L	X		C
1,1-Dichloroethene	0.7 mg/L	X		C	Silver	5 mg/L	X		C
1,2-Dichloroethane	0.5 mg/L	X		C	Heavy Metals				
2,4-Dinitrochlorobenzene	0.13 mg/L	X		C	Chromium	0.05 mg/L	X		C
Hexachlorobenzene	0.13 mg/L	X		C	Cobalt	0.07 mg/L	X		C
Hexachlorocyclopentadiene	0.5 mg/L	X		C	Fluorine/Fluoride (as F)	0.001 mg/L	X		C
Hexachloroethane	1 mg/L	X		C	Lead	0.4 mg/L	X		C
Methyl Ethyl Ketone	200 mg/L	X		C	Mercury (Pb)	10 mg/L	X		C
Heptachlor	2 mg/L	X		C	Silver (2,4,5-TP)	1.0 mg/L	X		C
Heptachlor Epoxide	100 mg/L	X		C	Thallium	0.5 mg/L	X		C
Pyridine	5 mg/L	X		C	Zinc	100 mg/L	X		C
Tetrachloroethylene	0.7 mg/L	X		C	Acidic/Alkaline				
Trichloroethylene	0.5 mg/L	X		C	Acidity	Reg. Limit	Below	Above	Method
2,4,5-Trichlorophenol	400 mg/L	X		C	Barium	500 mg/L	X		C
2,4,6-Trichlorophenol	2 mg/L	X		C	Formic	250 mg/L	X		C
Vinyl Chloride	0.5 mg/L	X		C	Corrosive/Inert				
					Residue (mg. %)	() ≤10 (X) >10 () N/A () N/A			
					pH (Std. Unit)	() ≤2.0 (X) 2.1-12.0 () >12.0 () N/A			

E. SUPPLEMENTAL INFORMATION

(X) MSD Sheets () Chain of Custody () Analytical Data (X) Other Process Knowledge

FOR NEWPARK USE ONLY

Waste Classification Decision:

(X) NIW () NOGW () Exempt QGW () Disapproved

Standard Conditions: eye protection, gloves and splash suit required to handle waste

Special handling Procedures, Precautions, or Limitations on Approval: None

Newpark Receiving Facility: NES LLC Big Hill Industrial Profile Approval Date: 06-06-07

Approval Signature: [Signature] Profile Recertification Date: 06-06-08

Profile Expiration Date: 06-06-09

Submit completed form and all supplemental information to:

Newpark Environmental Management Services
207 Town Center Parkway, 2nd Floor
Lafayette, LA 70506

email: profile@newparkenv.com
Phone: (337) 884-4445
Fax: (337) 889-2018

MAY-22-2007 09:24
05/24/2007 09:24CES Environmental Svcs.
05/20/2007 NEW AVALON7137488664 P.04/12
05/24

GENERATOR KNOWLEDGE DOCUMENTATION

GENERATOR:

Facility I.D. #:

Waste Name:

State Waste Code #:

Foster Products Corp

31167

Non RCRA Wastewater

000716092

Detailed Description of Waste Generation Process: Fresh water used to rinse off
scrubber

Laboratory analysis of the hazardous waste characteristics, listed below, was not performed based upon the following generator knowledge:

TOXICITY

TCLP/Total Metals

Metals are below regulatory limits

TCLP/Total Volatile Organics

Present in the process

There are no volatile organic materials

TCLP/Total Semivolatile Organics

Materials present in the process

There are no semivolatile organic

TCLP/Total Herbicides and Pesticides

into contact during process

No herbicides and/or pesticides come

REACTIVITY

to the process

No reactive materials are introduced

CORROSIVITY

pH is neutral (checked before shipping)

IGNITABILITY

No ignitable materials are present in the process

Signature:

Title:

Date:

Employer:

★ Ben Smith
HSE manager
5-24-07
Foster Products

MATERIAL SAFETY DATA SHEET**SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****COMPANY INFORMATION**

Foster Products Corporation
H.B. Fuller Company Subsidiary
2900 Granada Lane
Oakdale, MN 55128
Phone: 651-236-3785
Fax: 651-236-3781

MSDS INFORMATION

Preparation Date: 18 July 1999
Supersedes: 04 March 1999
Prepared By: Industrial Hygiene
Phone Number: 651-236-5842

Medical Emergency Phone Number: 1-888-853-1758
Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

PRODUCT INFORMATION

Product Name/Number: FOSTER 32-19
Product Description (product use): SEALANT

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS). Unlisted ingredients are not 'hazardous' per the OSHA standard and/or are not found on the WHMIS ingredient disclosure list.

Chemical/CAS Number	Percent	OSHA PEL	ACGIH TLV
---------------------	---------	----------	-----------

See Section 16 for additional information.

SECTION 3: HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

Possible cancer hazard. Contains a material which may cause cancer.

POTENTIAL HEALTH EFFECTS

Eyes: Eye contact with liquid product may cause irritation.

Skin: Prolonged or repeated contact with liquid product may cause irritation.

Inhalation: Inhalation is not an anticipated route of exposure.

Ingestion: Not an anticipated route of exposure. Harmful if swallowed.

Chronic: When the product is in its final form and is abraded or disturbed, dusting may occur and crystalline silica may be released into the air. Long-term overexposure to crystalline silica may cause permanent lung damage and reduced pulmonary function.

No anticipated chronic effects.

REGULATED CARCINOGEN STATUS: Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH or OSHA listed carcinogens.

Crystalline silica is listed as a potential carcinogen by NTP and IARC.

Vinyl acetate is listed as a potential carcinogen by IARC.

Existing Health Conditions Affected by Exposure: No known effects on other illnesses.

SECTION 4: FIRST AID MEASURES

If in eye: Flush immediately with water for 15 minutes. Consult a physician if irritation persists.

If on skin: Wash affected area with soap and water. Launder contaminated clothing before reuse.

If vapors inhaled: Remove subject to fresh air.

If ingested: If person can swallow, give one glass of water or milk. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point/Method: > 200 degrees F SETA

Upper Explosive Limit/Lower Explosive Limit: Not applicable

Autoignition Temperature: Not applicable

Appropriate Extinguishers: Non-flammable in liquid state; use water spray, foam, dry chemical or carbon dioxide on dried product.

Special Fire Fighting Procedures: Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

Unusual Fire and Explosion Hazards: There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers.

Hazardous Combustion Product: Incomplete combustion can yield low molecular weight hydrocarbons, carbon monoxide

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds or water systems.

SECTION 7: HANDLING AND STORAGE

HANDLING INFORMATION

Wear appropriate protective equipment when working with this product.

STORAGE INFORMATION

Avoid temperature extremes in storage.

Consult the Technical Data Sheet for specific storage instructions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Wear safety glasses to reduce the potential for eye contact; chemical safety goggles are appropriate if splashing or dusting is likely. Have eye washes available where eye contact can occur.

Skin Protection: Prevent prolonged or repeated contact by using rubber gloves and appropriate protective clothing. Launder contaminated clothing before reuse.

Respiratory Protection: Not normally required. Use NIOSH/MSHA approved respirator if conditions warrant.

Ventilation: General dilution ventilation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	LIQUID
Color:	GRAY
Odor:	MILD SWEET
Odor Threshold:	Not established
Weight per Gallon:	11.7 lbs.
Specific Gravity:	1.4
% Solids by Weight:	69
pH:	Not established
Boiling Range:	Greater than 200 F (93 C)
Freezing/Melting Point:	Not established
Vapor Pressure:	Not established
Vapor Density:	Not established
Evaporation Rate:	Not established
Water/Oil Partition Coefficient:	Not established

VOC: Not established

VOC, less water 19 g VOC/liter of material, less water and exempt solvents
(VOC theoretically determined using EPA Publication 450/3-84-019.)

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: Stable

Incompatibility: Not established

Hazardous Decomposition: Not established

Hazardous Polymerization: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

No data available

SECTION 12: ECOLOGICAL INFORMATION

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Solidify and dispose of in an approved landfill. Consult state, local or provincial authorities for more restrictive requirements.

SECTION 14: TRANSPORTATION INFORMATION

UNITED STATES DEPARTMENT OF TRANSPORTATION (DOT)

DOT Proper Shipping Name: NOT REGULATED

It is our opinion that the information provided here may be used to transport this product in compliance with Canadian Transportation of Dangerous Goods.

INTERNATIONAL TRANSPORTATION

IATA Proper Shipping Name: NOT REGULATED

IATA Label: N

SECTION 15: REGULATORY INFORMATION

FEDERAL

Toxic Substances Control Act (TSCA)

Section 4 - Test Rule

This product contains a chemical substance that is subject to a Section 4 Test Rule.

Contact the company TSCA Compliance Manager at 651/236-5858 for the identity of the Section 4 chemical(s).

Section 8(b) - Inventory Status

This product is in compliance with the Toxic Substances Control Act's Inventory requirements.

Section 12(k) - Export Notice Requirements

This product contains a chemical substance that is currently on the EPA's Section 12(b) Export List. Within seven days of entering into a contract to export and certainly no later than the day of export, the agent of export must notify the EPA of their intent.

Contact the company TSCA Compliance Manager at 651/236-5858 for the identity of the Section 12(b) chemical(s).

SARA TITLE III

Section 313: This product does not contain regulated levels of any toxic chemical subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372.

Chemical Name	CAS Number	Percent
---------------	------------	---------

STATE REGULATIONS

California Proposition 65: This product contains chemical(s) known to the state of California to cause cancer (c) or reproductive (r) damage.

<0.0057% Acetaldehyde (c)	75-07-0
listed April 1, 1988	
<0.0001% Benzene (c)	71-43-2
listed February 27, 1987	
<0.0028% Formaldehyde (c)	50-00-0
listed January 1, 1988	
0.1-1.0% Crystalline silica (c)	14808-60-7
listed October 1, 1988	
<0.0003% 1,4-Dioxane (c)	123-91-1
listed July 1, 1988	
<0.0025% Ethyl acrylate (c)	140-88-5
listed July 1, 1989	
<0.0007% Lead (c) (r)	7439-92-1
listed February 27, 1987	
<0.0014% Toluene (r)	108-88-3
listed January 1, 1991	

WHMIS IDENTIFICATION/OTHER INTERNATIONAL REGULATIONS

D2B

SECTION 16: ADDITIONAL INFORMATION

In storage, monomer vapors will migrate from the emulsion and establish an equilibrium between the headspace in the storage container and the liquid emulsion. Levels in excess of acceptable exposures can accumulate in non-vented headspaces above the emulsion. All procedures appropriate for a confined space entry should be completed prior to performing any work in a bulk storage tank.

This product contains the following substance(s) identified by OSHA, WHMIS, or the ACGIH as hazardous. During normal use, the material will not present an exposure risk. Once the product has reached its final state and is abraded or disturbed, dusting and exposure may occur.

10-30% Calcium carbonate (1317-65-3)

Exposure limit total dust 15 mg/M3 (OSHA) 10 mg/M3 (ACGIH)

Exposure limit respirable dust 5 mg/M3 (OSHA)

LD50: No data found LC50: No data found

10-30% Kaolin (1332-58-7)

Exposure limit total dust 10 mg/M3 (OSHA) 10 mg/M3 (ACGIH)

Exposure limit respirable dust 5 mg/M3 (OSHA) 2 mg/M3 (ACGIH)

LD50: No data found LC50: No data found

0.1-1.0% Silica-crystalline (14808-60-7)

Exposure limit respirable dust 0.1 mg/M3 (OSHA) 0.1 mg/M3 (ACGIH)

LD50: No data found LC50: No data found

1-5% Titanium dioxide (13463-67-7)

Exposure limit total dust 10 mg/M3 (OSHA) 10 mg/M3 (ACGIH)

Exposure limit respirable dust 5 mg/M3 (OSHA)

LD50: No data found LC50: No data found

HMIS RATING

Health-1

Flammability-0

Reactivity-0

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to Foster Products Corporation from its suppliers, and because Foster Products Corporation has no control over the conditions of handling and use, Foster Products Corporation makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and Foster Products Corporation assumes no responsibility for use or reliance thereon. It is the responsibility of the user of Foster Products Corporation products to comply with all applicable federal, state and local laws and regulations.

CES Environmental Services, Inc.

4904 Griggs Rd.

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

Fax Transmittal

Total Number of Pages (Including cover sheet): 12

Date: 5/24/07

To: Marc Sonnier

337-989-2018

From: Dana Carter

CES Environmental Services, Inc.

Mobile Phone: (713) 748-9804

Notes:

Profile recert - # 06110060771BH
for Foster Products

2993

AMTEX Machine Products



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/18/2008

Dear Fred Leach

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2993

Expiration Date 9/18/2010

Generator: AMTEX Machine Products, Inc.

Address: 4517 Brittmoore Road
Houston, TX 77041

Waste Information

Name of Waste: Non-RCRA, non-DOT regulated wastewater

TCEQ Waste Code #: CESQ1042

Container Type:

Detailed Description of Process Generating Waste:

Dumping of vats used in the phosphating of oilfield couplers

Color: tan

Odor: none

pH: 3-11

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



DC

4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator Information

Company: Amtex Machine Products
Address: 4517 Brittmore Rd.
City: Houston State: TX Zip: 77041
Contact: Fred Leach Title:
Phone Number: 281-224-8121 Fax Number: 713-896-6363
24/hr Phone Number: 713-748-9804
US EPA ID No: CESQG
State ID No: CESQ SIC Code: na

SECTION 2: Billing Information - ☒ Same as Above

Company:
Address:
City: State: Zip:
Contact: Title:
Phone Number: Fax Number:

SECTION 3: General Description of the Waste

Name of Waste: Non-RCRA, Non-DOT regulated wastewater
Detailed Description of Process Generating Waste: dumping of vats used in the phosphating of oilfield couplers

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: tan Odor: none

Specific Gravity (water=1): 1.02 Density: 8.34-9 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Frequency: ☒ Weekly ☐ Monthly ☐ Yearly ☐ One-Time

Quantity: 2

☐ Yes ☒ No

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009
☐ D010 ☐ D011

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☒ No

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

Texas State Waste Code Number:

LESQ1042

Non-RCRA, Non-DOT regulated wastewater

Class: na **UN/NA:** na **PG :** na **RQ:** na

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
>150		3-11		0 <u>mg/l</u>		0 <u>mg/l</u>		5 %	
Oil & Grease		TOC		Zinc		Copper		Nickel	
<100	<u>mg/l</u>	<u>>1500</u>	<u>mg/l</u>	16 <u>mg/l</u>		0 <u>mg/l</u>		8 <u>mg/l</u>	

SECTION 4: Physical and Chemical Data

[illegible]

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge?

☒ YES ☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory : Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☒ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory : Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory : Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☒ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. CES treatability test

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):
none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	X
TCLP Volatiles:	X
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	X
Ignitability:	X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Fred B. Leach Date: 9/18/2008

Printed Name/Title: Fred Leach

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer:

Date:

Approval Number:

9-18-08

☒ Approved

☐ Rejected

2993



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

Trans: \$0.07/gallon; Disposal: \$0.115/gallon

2. Contamination Limit (maximum limit before surcharges apply):

Solids: 5% TOC: 10,000

3. Surcharge Pricing:

Solids: \$0.01/gallon/percent greater than 5%; TOC: \$0.03/gallon/5000 toc greater than 10,000

4. Special Testing Requirements:

metals, toc, phenol, solids, pH

5. Treatment and Handling Protocol:

Standard wastewater treat - ***MUST DILUTE 5 TIMES WHEN DISCHARGING DUE TO HIGH ZINC & NICKEL

6. Treated Wastewater Discharge Subcategory:

☒ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

NA

8. Management for Product Recovered/Recycled (if applicable)

NA

Profile # 1105081043BH

NES TX/NID

NONHAZARDOUS SOLID WASTE DISPOSAL APPLICATION**1. GENERATOR CERTIFICATION**

I hereby certify that I am the legal generator of the waste described below. The waste description on this form and all attachments are, to the best of my knowledge and ability, representative, complete, and accurate. This waste is not a regulated hazardous waste by USEPA, State of Origin, or State of Disposal, nor does it contain PCB's regulated by TSCA (i.e., 40 CFR 761) or any local authority.

GENERATOR'S SIGNATURE/GENERATOR'S AUTHORIZED SIGNATORY

Date: 5-Nov-07Signature: Fred LeachPrinted/Typed Name, Title, Employer: Fred Leach, Environmental Manager, Amtex Machine Products**2. GENERATOR INFORMATION**

a. Generator's Name: Amtex Machine Products d. Billing Name: CES Environmental Services Inc
b. Generator's Address: 4517 Britmore Road e. Billing Address: 4904 Griggs Road
City: Houston State: TX Zip: 77041 City: Houston State: TX Zip: 77021
Telephone: (713) 896-4488 f. Contact Person: Juanita Thomas
Fax: (713) 896-6363 g. Telephone: 713-676-1460
c. Generator Representative: Dana Carter Fax: (713) 676-1676
Title: Authorized Agent Email: jthomas@cesenvironmental.com
Telephone: (713) 748-9804
Fax: (713) 676-1676

3. WASTE DESCRIPTION

a. Waste Name/Waste Description: Phosphating Liquids
b. Process of Waste Generation: dumping of vats used in the phosphating of oil field couplers
c. TCEQ Waste Code # (If Applicable): CESQ1042
d. Origin of Waste:
() Oil and Gas Facility (X) Industrial Facility
Field Name/#: _____ Facility Name: Same as above
Lease Name/#: _____ Address: _____
Well Name/#: _____ City: _____
Rig Name/#: _____ Parish/County: _____
Parish/County: _____ State: _____
State: _____ Facility State Id: CESQG
e. Physical State: () Solid () Semi-Solid (X) Liquid () Powder (X) Combination
f. Color: tan Odor: none PPE Level (A-K,X) standard
g. Anticipated Waste Volume: 5000 () Tons () CuYds (X) Gals () CuMtrs () BBIs
Frequency: () Year () Month (X) Week () Day () One Time () Other
h. Specify Method of Shipment: bulk

4. WASTE COMPOSITION & CONSTITUENTS

Physical Components	Concentration Range	Units	Amendments (Newpark Only)
Oil and Grease:	<1	%	
Water:	95	%	
Solids:	5	%	
Foreign Debris:	<1	%	
Other (List Below):			
pH:	3-11	S.U.	
Specific Gravity:	1.02		
NORM-Ra 226:	<30	PC/gm	
Total Activity:	<150	PC/gm	

Profile modified 11-14-07 w/analysis of TCIP Metals: RCT MAR 11/14/07
MAR 11-05-07
MAR 11-05-07

revised 4/21/06

Replaces Profile 814BH

Methods:

Profile #

1105081043BH

(A) TCLP(mg/l)

(B) TOTAL(mg/l)

(C) GENERATOR KNOWLEDGE

Volatiles/Semi-Volatiles	Reg. Limit	Below	Above	Method	Metals	Reg. Limit	Below	Above	Method
Benzene	0.5 mg/L	X		C	Arsenic	5 mg/L	X		A
Carbon Tetrachloride	0.5 mg/L	X		C	Barium	100 mg/L	X		A
Chlorobenzene	100 mg/L	X		C	Cadmium	1 mg/L	X		A
Chloroform	6 mg/L	X		C	Chromium	5 mg/L	X		A
m-cresol	200 mg/L	X		C	Lead	5 mg/L	X		A
p-cresol	200 mg/L	X		C	Mercury	0.2 mg/L	X		A
o-cresol	200 mg/L	X		C	Selenium	1 mg/L	X		A
1,4-Dichlorobenzene	7.5 mg/L	X		C	Silver	5 mg/L	X		A
1,1-Dichloroethylene	0.7 mg/L	X		C					
1,2-Dichloroethane	0.5 mg/L	X		C					
2,4-Dinitrotoluene	0.13 mg/L	X		C	Herbs/Pests	Reg. Limit	Below	Above	Method
Hexachlorobenzene	0.13 mg/L	X		C	Chlorodane	0.03 mg/L	X		C
Hexachlorobutadiene	0.5 mg/L	X		C	Endrin	0.02 mg/L	X		C
Hexachloroethane	3 mg/L	X		C	Heptachlor/Heptachlor Epoxide	0.008 mg/L	X		C
Methyl Ethyl Ketone	200 mg/L	X		C	Lindane	0.4 mg/L	X		C
Nitrobenzene	2 mg/L	X		C	Methoxychlor	10 mg/L	X		C
Pentachlorophenol	100 mg/L	X		C	Silvex (2,4,5-TP)	1.0 mg/L	X		C
Pyridine	5 mg/L	X		C	Toxaphene	0.5 mg/L	X		C
Tetrachloroethylene	0.7 mg/L	X		C	2,4-D	10.0 mg/L	X		C
Trichloroethylene	0.5 mg/L	X		C	Reactivity	Reg. Limit	Below	Above	Method
2,4,5 Trichlorophenol	400 mg/L	X		C	Sulfide	500 mg/kg	X		B
2,4,6 Trichlorophenol	2 mg/L	X		C	Cyanide	250 mg/kg	X		B
Vinyl Chloride	0.2 mg/L	X		C	Corrosive/Ignitable		X		B
					Flashpoint (deg. F)	() ≤140 (X) >140	() N/A		
					pH (Std. Unit)	() ≤2.0 (X) 2.1-12.4	() >12.5 () N/A		

5. SUPPLEMENTAL INFORMATION

☒ MSD Sheets☒ Chain of Custody☒ Analytical Data☒ Other☒ Generator Knowledge

FOR NEWPARK USE ONLY

Waste Classification Decision:

☒ NIW☐ NOGW☐ Exempt OGW☐ Disapproved

Standard Conditions: eye protection, gloves and splash suit required to handle waste

Special handling Procedures, Precautions, or Limitations on Approval:

Newpark Receiving Facility: NES LLC Big Hill, Tx (Ind.)

Profile Approval Date: 11-05-07

Profile Recertification Date: 11-05-08

Approval Signature: *Max Simon*

Profile Expiration Date: 11-05-09

Submit completed form and all supplemental information to:

Newpark Environmental Management Services
207 Town Center Parkway, 2nd Floor
Lafayette, LA 70506

email: profile@newparkenv.com

Phone: (337) 984-4445

Fax: (337) 989-2018

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536
Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services
4904 Griggs Rd
Houston, TX 77021

Phone: (713) 676-1460
Fax: (713) 676-1676

Attn: Dana Carter

- CERTIFICATE OF RESULTS -

MES Lab#: 7110108

Client Sample ID: Amtex

Sample Receipt Date: 11/6/2007 @ 4:22:00 PM

Test Group / Method

Reactivity, Recoverable Hydrogen Cyanide Method: 7.3.3.2	MDL	Result	Units	Analyst: CL Date / Time	
Hydrogen Cyanide	0.25	< 0.25	mg/kg	11/8/2007 / 2:30 PM	
Reactivity, Recoverable Hydrogen Sulfide Method: 7.3.4.2	MDL	Result	Units	Analyst: CL Date / Time	
Hydrogen Sulfide	0.25	< 0.25	mg/kg	11/7/2007 / 4:20 PM	
Corrosivity: pH Method: SW 846 9045	MDL	Result	Units	Analyst: JE Date / Time	
pH		10.1		11/7/2007 / 6:45 PM	
Ignitability Method: SW-846 1010	MDL	Result	Units	Analyst: DEB Date / Time	
Flashpoint		>150	deg F	11/8/2007 / 12:29 PM	
Total Petroleum Hydrocarbons Solid Method: TNRCC 1005	MDL	Result	Units	Analyst: TFR Date / Time	
C6 - C12 Hydrocarbons	4	< 4	mg/kg	11/7/2007 / 7:29 AM	
>C12 - C28 Hydrocarbons	8	356	mg/kg	11/7/2007 / 7:29 AM	
>C28 - C36 Hydrocarbons	8	427	mg/kg	11/7/2007 / 7:29 AM	
Total TPH	20	783	mg/kg	11/7/2007 / 7:29 AM	
TCLP Metals (11) Method: SW-846 6010B	MDL	RL	Result	Units	Analyst: AM Date / Time
Antimony	0.032	1	0.083	mg/L	11/7/2007 / 10:17 PM
Arsenic	0.014	5	0.033	mg/L	11/7/2007 / 10:17 PM
Barium	0.0005	100	0.124	mg/L	11/7/2007 / 10:17 PM
Beryllium	0.0005	0.08	0.0007	mg/L	11/7/2007 / 10:17 PM
Cadmium	0.002	1	< 0.002	mg/L	11/7/2007 / 10:17 PM
Chromium	0.002	5	0.274	mg/L	11/7/2007 / 10:17 PM

Report Date: 14-Nov-07

Page 1 of 2

- CERTIFICATE OF RESULTS -

MES Lab#: 7110100

Client Sample ID: Amtex

Sample Receipt Date: 11/6/2007 @ 4:22:00 PM

Lead	0.005	5	0.450	mg/L	11/7/2007 / 10:17 PM
Nickel	0.003	70	3.71	mg/L	11/7/2007 / 10:17 PM
Selenium	0.024	1	0.051	mg/L	11/7/2007 / 10:17 PM
Silver	0.002	5	< 0.002	mg/L	11/7/2007 / 10:17 PM
<hr/>					
TCLP Mercury					Analyst: AM
Method: SW-846 7470A	MDL	RL	Result	Units	Date / Time
Mercury	0.0002	0.2	< 0.0002	mg/L	11/8/2007 / 4:37 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit



Holland D. Gilmore, Laboratory Director

Wednesday, November 14, 2007

Date

Report Date: 14-Nov-07

Page 2 of 2

7110108

**MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT**

ANALYTE	STD
Flashpoint	82°F

ANALYTE	BUFFER 7.0	ORIG	DUP	RPD
pH	7.0	7.89	7.91	0.25

ANALYTE	ORIG mg/kg	DUP mg/kg	RPD
Reactivity as Hydrogen Sulfide	< 0.25	< 0.25	0.00

ANALYTE	ORIG mg/kg	DUP mg/kg	STD RPD	%REC
Reactivity as Hydrogen Cyanide	< 0.25	< 0.25	0.00	104

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	MS %REC	MSD %REC	RPD
Antimony	< 0.005	107.5	111	3.32	< 0.005	105	81.2	83.6	2.9
Arsenic	< 0.002	94	94	0.7	< 0.002	91	76.4	77.2	1.04
Barium	< 0.002	105.0	105	0.43	< 0.002	101	65.2	67.7	3.8
Beryllium	< 0.002	109.6	110	0.73	< 0.002	107	82.1	84.6	3.1
Cadmium	< 0.001	109.4	110.9	1.32	< 0.001	107	70.9	72.0	1.5
Chromium	< 0.001	109	107	2.50	< 0.001	103	70.0	72.2	3.0
Lead	< 0.002	106.1	109.2	2.90	< 0.002	107	67.7	71.9	6.1
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0			
Nickel	< 0.001	105	105	1.66	< 0.001	104	69.3	74.9	7.7
Selenium	< 0.024	108.1	91.4	16.7	< 0.024	87	64.9	61.8	5.0
Silver	< 0.001	110	109	0.91	< 0.001	104	73.4	75.6	3.06

ANALYTES	METHOD TPH1005	MB mg/kg	CCV %REC	MS %REC	MSD %REC
C6-C12		< 4	106.0	108.5	114.3
C12-C28		< 8	101.2	104.1	109.9

Mercury Environmental Services, Inc.

QA/QC REPORT CONTINUED

Key to QA Abbreviations

MS=Matrix Spike
RPD=Relative Percent Deviation
LCS=Laboratory Control Standard
CCB=Continuing Calibration Blank
MDL=Minimum Detection Limit

MSD=Matrix Spike Duplicate
MB=Method Blank
CCV=Continuing Calibration Verification
%Rec=Percent Recovery
RL=Regulatory Limit

Signature: 
Holland D. Gilmore / Laboratory Director

November 14, 2007

Mercury Environmental Services, Inc.

2994

Crown Beverage and Packaging



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/18/2008

Dear Robbie Preston

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2994

Expiration Date 9/18/2010

Generator: Crown Beverage and Packaging

Address: 12910 Jess Pirtle
Sugarland, TX 77478

Waste Information

Name of Waste: Oily water

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Manufacturing of aluminum cans

Color: varies

Odor: hydrocarbon

pH: neutral

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110001914

APP



4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

JB

SECTION 1: Generator Information

Company: Crown Beverage and Packaging
Address: 12910 Jess Pirtle
City: Sugarland State: TX Zip: 77478
Contact: Les Webber Title: Tech. Manager
Phone Number: 281.240.4838 Fax Number: 281.240.2275
24/hr Phone Number: 281.240.4838
US EPA ID No: TXCESQG
State ID No: CESQG SIC Code: NA

SECTION 2: Billing Information - ☐ **Same as Above**

Company: Preston Environmental
Address: PO Box 697
City: Denham Springs State: LA Zip: 70706
Contact: Robby Mersiorsky Title: Managing partner
Phone Number: (713) 882-7740 Fax Number: (832)344-5452

SECTION 3: General Description of the Waste

Name of Waste: Oily water

Detailed Description of Process Generating Waste:

Manufacturing of aluminum cans

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: varies Odor: hydrocarbon

Specific Gravity (water=1): 1 Density: 8.34 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☒ Monthly ☐ Yearly ☐ One-Time

Quantity: as needed

☐ Yes ☒ No

If “Yes”, Is it:

☐ D001 (Ignitable)☐ D002 (Corrosive)☐ D003 (Reactive)

Characteristic for Toxic Metals:

☐ D004

☐ D005

☐ D006

☐ D007

☐ D008

☐ D009

☐ D010

☐ D011

Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one?

☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

☐ Yes☒ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code Number:

Recycle

Proper US DOT Shipping Name:

Non RCRA Non DOT regulated materla (oily water)

Class: na

UN/NA:

na

PG :

RQ:

na

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
>140		neutral		0 <u>mg/l</u>		0 <u>mg/l</u>		1 %	
Oil & Grease		TOC		Zinc		Copper		Nickel	
>1500	<u>mg/l</u>	5-10k	<u>mg/l</u>	0	<u>mg/l</u>	0	<u>mg/l</u>	0	<u>mg/l</u>

SECTION 4: Physical and Chemical Data

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package.

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

none known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	x
TCLP Volatiles:	x
TCLP Semi-Volatiles:	x
Reactivity:	x
Corrosivity:	x
Ignitability:	x

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?

☒ YES

☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☒ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
- Cadmium: 0.2 mg/L
 - Chromium: 8.9 mg/L
 - Copper: 4.9 mg/L
 - Nickel: 37.5 mg/L
- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
- ☐ Metals Subcategory
 - ☐ Oils Subcategory
 - ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Les Weber Date: 09/18/08

Printed Name/Title: LES WEBER MTS

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: <u>[Signature]</u>	
Date: <u>9-18-08</u>	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected
Approval Number: <u>2994</u>	



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

\$.10/gal Trans \$70 + FSC

2. Contamination Limit (maximum limit before surcharges apply):

standard per rate sheet

3. Surcharge Pricing:

standard per rate sheet

4. Special Testing Requirements:

pH, TOC, phenol, % Oil. If this is an emulsion it is non containing and the TOC will probably be high. Then surcharges will apply.

5. Treatment and Handling Protocol:

If there is an oil phase this will require a decant.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☒ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--

Walmart
2995



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/19/2008

Dear Todd

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2995

Expiration Date 9/17/2010

Generator: Wal-mart Store #504 c/o Environmental Products & Services

Address: 6702 Seawall Blvd.
Galveston, TX 77551

Waste Information

Name of Waste: Oily Debris

TCEQ Waste Code #: CESQ4091

Container Type:

Detailed Description of Process Generating Waste:

debris collected from hurricane clean-up containing water, dirt, and oil

Color: dark

Odor: hydrocarbon

pH: 4-10

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

MM

SECTION 1: Generator Information

Company : Wal-mart Store #504 c/o Environmental Products & Services

Address : 6702 Seawall Blvd. 702 SW 6th Street

City, State, Zip : Galveston TX 77551

Contact : Todd

Title :

Phone No :

Fax :

24 / HR Phone :

U.S EPA I.D No : na

State I.D : na

SIC Code

SECTION 2: Billing Information

Company : Environmental Products & Services

Address : emergency response for various locations 40 Hamilton Ln.

City, State, Zip : Glenmont, NY 12077

Contact : Todd or Jake

Title :

Phone No : (315) 480-4357 (404) 516-2940

Fax :

SECTION 3: General Description of the Waste

Name of Waste : Oily Debris

Detailed Description of the Process Generating Waste:

debris collected from hurricane clean-up containing water, dirt, and oil

Physical State : ☒ Liquid

☐ Sludge

☐ Powder

☒ Solid

☐ Filter Cake

☐ Combination

Color : dark

Odor : hydrocarbon

Specific Gravity (Water=1) : na

Density : na lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHA? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers : ☒ Single-Phase ☐ Multi-Phase

Container Type : ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size : 55

Number Of Units : 5

Is this a USEPA "Hazardous Waste" per 40 CFR 261.37 ☐ Yes ☒ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007
☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code No : CE SA 4091

Proper U.S. State Waste Code No : Non-RCRA/Non-DOT Regulated Material (oily debris)

Class : na UN/NA : na PG : na RQ : na

Flash Point >200	pH 4-10	Reactive Sulfides 0 mg/l	Reactive Cyanides 0 mg/l	Solids 0-4 %
Oil and Grease >1500 mg/l	TOC 0 mg/l	Zinc 0 mg/l	Copper 0 mg/l	Nickel 0 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
oil		5-10	%
water		5-10	%
solids (oil, dirt, sand, debris)		80-90	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
none

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ☒
TCLP Volatiles : ☒
TCLP Semi-Volatiles : ☒
Reactivity : ☒

Corrosivity : X
Ignitability : X

SECTION 9: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☒ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations

☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☒ Oils Subcategory

☐ Organics Subcategory

SECTION 10: Additional Instruction

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : [Signature]

Date : 9/18/2008

Printed Name / Title : Scott Collins Project Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information :

Compliance Officer : [Signature]

Date : 9/17/2008

Status :

Approved

Rejected

Approval Number :

2995

Tex - Tube Company
2996



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/19/2008

Dear James Barnett

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2996

Expiration Date 9/19/2010

Generator: Tex-Tube Company

Address: 1503 North Post Oak Road
Houston, TX 77255

Waste Information

Name of Waste: Oily water

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Oily water from pipe manufacturing

Color: varies

Odor: oil

pH: 3-11

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

GRD
An Emulsion is
non-conforming and
will need to be
searched for to C
and heat if necessary



**CES Environmental
Services, Inc.**

4904 Griggs Road, Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

AB

SECTION 1: Generator Information

Company: Tex-Tube Company
Address: 1503 North Post Oak Road
City: Houston State: TX Zip: 77255-5710
Contact: James Barnett Title: _____
Phone Number: 713-685-3206 Fax Number: 713-685-3257
24/hr Phone Number: 281-667-1980
US EPA ID No: TX0039522610
State ID No: 31216 SIC Code: 3317

SECTION 2: Billing Information -

☒ Same as Above

Company: _____
Address: _____
City: _____ State: _____ Zip: _____
Contact: _____ Title: _____
Phone Number: _____ Fax Number: _____

SECTION 3: General Description of the Waste

Name of Waste: Oily Water
Detailed Description of Process Generating Waste: _____

Oily Water from pipe manufacturing

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: varies Odor: oil

Specific Gravity (water=1): 0.9-1 Density: 75.8.34 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Frequency: ☒ Weekly ☐ Monthly ☐ Yearly ☐ One-Time

Quantity: 20,000 gal

☐ Yes ☒ No

If "Yes", Is it:

☐ D003 (Reactive)

☐ D009

☐ D011

☐ Yes☒ No

If "Yes", then please list ALL applicable codes:

☐ Yes☒ No

If "Yes", then please list ALL applicable codes:

Reycle

Non RCRA/Non-DOT regulated material (Oil/water)

Class: **UN/NA:**

PG :

RQ:

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package.

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	<u>NA</u>
TCLP Volatiles:	<u>NA</u>
TCLP Semi-Volatiles:	<u>NA</u>
Reactivity:	<u>NA</u>
Corrosivity:	<u>NA</u>
Ignitability:	<u>NA</u>

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?

☒ YES ☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☒ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
- Cadmium: 0.2 mg/L
 - Chromium: 8.9 mg/L
 - Copper: 4.9 mg/L
 - Nickel: 37.5 mg/L
- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
- ☐ Metals Subcategory
 - ☒ Oils Subcategory
 - ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

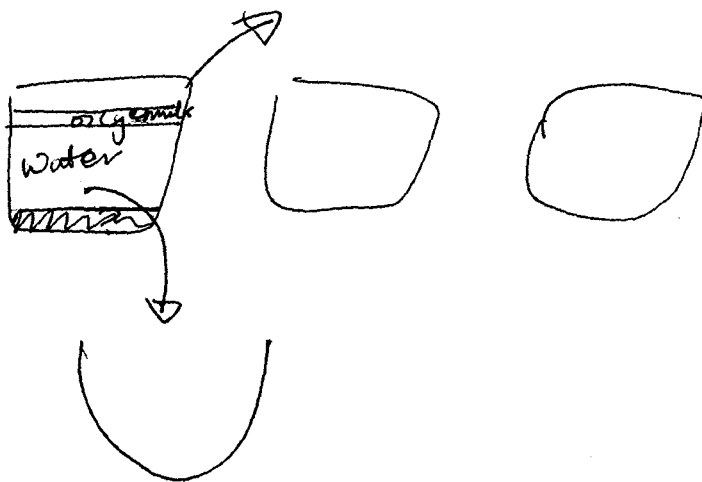
Compliance Officer: _____

Date: _____

Approval Number: _____

☒ Approved

☐ Rejected



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. **Base Pricing (including freight):**

\$0.10/gal + trans + fsc

2. **Contamination Limits (maximum limit before surcharges apply):**

Std: metals, TOC, pH, phenol, No heat required (if > 500, surcharge applies)
(< 5000)
Must pass chlor-d-test

3. **Surcharge Pricing:**

\$0.03/gal per 5000 TOC in excess of 5000
\$0.02/gal for heat

4. **Special Testing Requirements:**

Std: metals, TOC, pH, phenol, Chlor-d-test on oil phase
If this is an emulsion and has a high TOC it is non-conforming and needs
a surcharge for TOC & heat if necessary.

5. **Treatment and Handling Protocol:**

Sub. Cat B Water

6. **Treated Wastewater Discharge Subcategory:**

☐ Subcategory A

☒ Subcategory B

☐ Subcategory C

7. **Tests for Product Recovered/Recycled (if applicable):**

--

8. **Management for Product Recovered/Recycled (if applicable):**

--

RSC Rental Corp
2997



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/19/2008

Dear Ron Kohler

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2997

Expiration Date 9/19/2010

Generator: RSC Rentel Corp.

Address: 8200 East Freeway
Houston, TX 77029

Waste Information

Name of Waste: Latex paint water

TCEQ Waste Code #: CESQ1191

Container Type:

Detailed Description of Process Generating Waste:

Spilled latex paint flushed with water

Color: varies

Odor: slight

pH: neutral

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110001937

Sep. 10. 2008 10:57AM

CES ENVIRONMENTAL

71374 No. 1110 PP. 2

SRP

- components table do not add up - needs correction.

Latex paint reacts polymerizes

with acids. Cannot process to

WWTs at 15.10/gal. Would need

to process to system 1.

CES Environmental
Services, Inc.

4904 Griggs Road, Houston, TX 77021

Phone: (713) 676-1480

Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 90948

U.S. EPA ID Number: TXD008950461

ISWR Number: 30900

JB/AL

Send to Marlin.

SECTION 1: Generator Information

Company:

Address:

City:

Contact:

Phone Number:

24/hr Phone Number:

US EPA ID No:

State ID No:

RSC Rental Corp.

General Contractor

8200 East Freeway

Houston

State: TX

Zip: 77029

Robert M. White

Title: Contractor

281-630-3883

Fax Number:

281-630-3883

CESQ

CESQ

SIC Code:

SECTION 2: Billing Information

☐ Same as Above

Company:

Address:

City:

Contact:

Phone Number:

Select Environmental

223 McCarty Road

Houston

State: TX

Zip: 77029

Kevin White

Title: Sales Representative

713.675.7876

Fax Number: 713.672.4530

SECTION 3: General Description of the Waste

Name of Waste:

latex paint and water

Detailed Description of Process Generating Waste:

Spilled latex paint flushed with water

Physical State:

☒

Liquid

☐

Sludge

☐

Powder

☐

Solid

☐

Filter Cake

☐

Combination

Color:

Varies

Odor:

slight

Specific Gravity (water=1):

1

Density:

8 lbs/gal

Does this material contain any total phenolic compounds?

☐

Yes

☒

No

Does this material contain any para substituted phenolic compounds?

☐

Yes

☒

No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF)

☐

Yes

☒

No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812

2813

2816

2819

2821

2822

2823

2824

2833

2834

2835

2836

2841

2842

2843

2844

2851

2851

2865

2869

2873

2874

2876

2879

2891

2892

2893

2896

2899

2911

3312

4953

4959

9511

Layers:

☐

Single-phase

☒

Multi-phase

Container Type:

☐

Drum

☐

Tote

☒

Truck

☐

Other (explain)

Frequency:

☐

Weekly

☐

Monthly

☒

Yearly

☐

One-Time

Quantity:

as needed

Is this a USEPA "Hazardous Waste" per 40CFR 261.3?

☐ Yes ☒ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it:

☐ D001 (Ignitable)

☐ D002 (Corrosive)

☐ D003 (Reactive)

Characteristic for Toxic Metals:

D004

D005

0006

☐ 0007

0008

D009

☐ DG10

☐ 2012

Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one?

☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code Number:

CE501191

Proper US DOT Shipping Names:

Non RCRA Non DOT regulated material (Latex paint and water)

Class: na **UN/NA:**

na	PG :	na	RQ:	na
----	------	----	-----	----

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
>140		neutral		0 mg/l		0 mg/l		1 %	
Oil & Grease		TDC		Zinc		Copper		Nickel	
>1500	mg/l	10000	mg/l	0	mg/l	0	mg/l	0	mg/l

SECTION 4: Physical and Chemical Data

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. MSDS

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	x
TCLP Volatiles:	x
TCLP Semi-Volatiles:	x
Reactivity:	x
Corrosivity:	x
Ignitability:	x

SECTION 9: Waste Report Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?
If 'Yes', complete this section.

☒ YES ☐ NO

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
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- ☐ Alkaline and acid solutions used to clean metal parts or equipment

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- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
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- ☒ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☒ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Date: 9-19-08

Approval Number: 2997

☒ Approved

☐ Rejected

Total P.005

EPAHO110001941



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

\$.10/gallon +Trans \$70/hour + FSC

Too Low.

2. Contamination Limit (maximum limit before surcharges apply):

Standard per rate sheet

3. Surcharge Pricing:

Standard per rate Sheet

4. Special Testing Requirements:

pH, Flash point, TOC; mix w/ some sulfuric acid to check if material polymerizes and forms rubber balls. If it does not this material may be able to process to wastewater

5. Treatment and Handling Protocol:

System 1 processing.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☒ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--

CUSTOMER
COPY

Paints

TRANSACTION CHRG HOLD		PAGE INVOICE NO. 1 000708702
STORE NO. 0737	CUSTOMER NO. 0028300	DATE INVOICED 09/02/08 14:32

ICI PAINTS - STORE #0737
203 ANTOINE STREET
HOUSTON, TX 77053
H: (713) 688-3976 FX (713) 688-8295

JOB #:

THOMAS ROWLAND
9531 EMNORA
HOUSTON TX

THOMAS ROWLAND
9531 EMNORA
HOUSTON TX

77080

77080

TERMS: 1X 10TH PROX NET 30

ORDER NO.	SHIP VIA	DATE SHIPPED	TO	CHG TO	PAYMENT TYPE	CHRG INVOICE NO.	REV	MPS. NO.	CLAMP.
	CUST PICKUP	09/02/08	879	CW	HOUSE CHARGE				
PRODUCT CODE	QTY	TIME	DESCRIPTION	ORDERED	SHIPPED	UNIT PRICE	PRICE EXTENSION		
1000-120005	05		PREP & PRIME INT-WHITE	1	1				
1216-900001	01		DEVFLEX HP WB/ACR/S-G SAF	2	2				
1216-010003	05		DEVFLEX HP WB/ACR/S-G ENA	1	1				
			N.B.C. WT						
1216-999001	01		DEVFLEX HP WB/ACR/S-G ENA	1	1				

* PLEASE NOTE: THIS IS A HELD ORDER

AUTHORIZED APPROVAL

BL NO:

TOTAL SHIPPED: 5

SUBTOTAL

INVOICE TOTAL

FILLED BY:

EMERGENCY CONTACT 1 (800) 424-9300

HAZARDOUS MATERIAL SHIPPING PAPER			
UN 2811, 2812, 2813, 2814, 2815, 2816, 2817, 2818, 2819, 2820, 2821, 2822, 2823, 2824, 2825, 2826, 2827, 2828, 2829, 2830, 2831, 2832, 2833, 2834, 2835, 2836, 2837, 2838, 2839, 2840, 2841, 2842, 2843, 2844, 2845, 2846, 2847, 2848, 2849, 2850, 2851, 2852, 2853, 2854, 2855, 2856, 2857, 2858, 2859, 2860, 2861, 2862, 2863, 2864, 2865, 2866, 2867, 2868, 2869, 2870, 2871, 2872, 2873, 2874, 2875, 2876, 2877, 2878, 2879, 2880, 2881, 2882, 2883, 2884, 2885, 2886, 2887, 2888, 2889, 2890, 2891, 2892, 2893, 2894, 2895, 2896, 2897, 2898, 2899, 2900, 2901, 2902, 2903, 2904, 2905, 2906, 2907, 2908, 2909, 2910, 2911, 2912, 2913, 2914, 2915, 2916, 2917, 2918, 2919, 2920, 2921, 2922, 2923, 2924, 2925, 2926, 2927, 2928, 2929, 2930, 2931, 2932, 2933, 2934, 2935, 2936, 2937, 2938, 2939, 2940, 2941, 2942, 2943, 2944, 2945, 2946, 2947, 2948, 2949, 2950, 2951, 2952, 2953, 2954, 2955, 2956, 2957, 2958, 2959, 2960, 2961, 2962, 2963, 2964, 2965, 2966, 2967, 2968, 2969, 2970, 2971, 2972, 2973, 2974, 2975, 2976, 2977, 2978, 2979, 2980, 2981, 2982, 2983, 2984, 2985, 2986, 2987, 2988, 2989, 2990, 2991, 2992, 2993, 2994, 2995, 2996, 2997, 2998, 2999, 3000	SCM	DATE	TIME
UN 2811, 2812, 2813, 2814, 2815, 2816, 2817, 2818, 2819, 2820, 2821, 2822, 2823, 2824, 2825, 2826, 2827, 2828, 2829, 2830, 2831, 2832, 2833, 2834, 2835, 2836, 2837, 2838, 2839, 2840, 2841, 2842, 2843, 2844, 2845, 2846, 2847, 2848, 2849, 2850, 2851, 2852, 2853, 2854, 2855, 2856, 2857, 2858, 2859, 2860, 2861, 2862, 2863, 2864, 2865, 2866, 2867, 2868, 2869, 2870, 2871, 2872, 2873, 2874, 2875, 2876, 2877, 2878, 2879, 2880, 2881, 2882, 2883, 2884, 2885, 2886, 2887, 2888, 2889, 2890, 2891, 2892, 2893, 2894, 2895, 2896, 2897, 2898, 2899, 2900, 2901, 2902, 2903, 2904, 2905, 2906, 2907, 2908, 2909, 2910, 2911, 2912, 2913, 2914, 2915, 2916, 2917, 2918, 2919, 2920, 2921, 2922, 2923, 2924, 2925, 2926, 2927, 2928, 2929, 2930, 2931, 2932, 2933, 2934, 2935, 2936, 2937, 2938, 2939, 2940, 2941, 2942, 2943, 2944, 2945, 2946, 2947, 2948, 2949, 2950, 2951, 2952, 2953, 2954, 2955, 2956, 2957, 2958, 2959, 2960, 2961, 2962, 2963, 2964, 2965, 2966, 2967, 2968, 2969, 2970, 2971, 2972, 2973, 2974, 2975, 2976, 2977, 2978, 2979, 2980, 2981, 2982, 2983, 2984, 2985, 2986, 2987, 2988, 2989, 2990, 2991, 2992, 2993, 2994, 2995, 2996, 2997, 2998, 2999, 3000			
TOTAL			

D.O.T. CERTIFICATION THIS IS TO CERTIFY THAT THE HEREIN VEHICLES MATERIAL ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED, AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION

THE ICI PAINTS COMPANY'S MASTER PER

THIS BASIS MAY BE SHORT FILLED TO ALLOW ADDITION OF COLOR THIS MATERIAL IS SOLD SUBJECT TO THE TERMS AND CONDITIONS CONTAINED ON THE REVERSE SIDE

Thomas Rowland
CUSTOMER SIGNATURE



Paints



DEVFLEX™ 4216HP

High Performance Waterborne
Acrylic Semi-Gloss Enamel

Cat. # 4216-XXXX

PRODUCT DESCRIPTION

Generic: Waterborne Acrylic

General Description: A premium quality, direct to metal acrylic semi-gloss enamel for high traffic interior-exterior areas of commercial, institutional, residential and industrial structures. Features a non-yellowing film with excellent durability.

Typical Uses: May be applied directly to interior or exterior steel and aluminum, and to properly prepared galvanized metal, wood or masonry surfaces.

SPECIFICATION DATA

Color: White, safety colors & custom colors

Finish: Semi-Gloss, 60-70 units @ 60°

Clean-up Solvent: Soap and water

Weight/Gallon: 10.4 lbs./gal. (1.25 kg/L) - varies with color

VOC: 1.87 lbs./gal. (225 g/L)

Solids By Volume: 36% ± 2%

Theoretical Coverage at 1.0 Mil Dry: 577 sq. ft./gal. (15 m²/L)

Practical Coverage: Apply at 138-368 sq. ft./gal. (3-9 m²/L).

Actual coverage may vary depending on substrate and application method.

Recommended Film Thickness: 1.5-4.0 mils (38-100 microns) dry - 4- 11.6 mils (100-290 microns) wet.

Systems: Please consult the appropriate system guide, the particular job specification or your ICI Paints Representative for proper systems using this product. Systems must be selected considering the particular environment involved.

Dry Time (ASTM D 1640) @ 77°F (25°C) & 50% RH:

To touch - 1 hour

To recoat - 24 hours

Substrate Temperature	50°F (10°C)	60°F (16°C)	77°F (25°C)
Minimum Recoat	36 Hours	30 Hours	24 Hours
Dry Hard	36 Hours	30 Hours	24 Hours
Maximum Recoat			
Self	No Limit	No Limit	No Limit

Ventilation, film thickness, humidity, thinning and other factors can influence the rate of dry.

Warning: The above table provides general guidelines only. Always consult your ICI Paints Representative for appropriate recoat windows since the maximum aged recoat time of this product may be significantly shortened or lengthened by a variety of conditions, including, but not limited to humidity, surface temperature, and the use of additives or thinners. The above recoat windows may not apply if recoating with a product other than those listed above. If the maximum aged recoat window is exceeded, please consult your ICI Paints Representative for appropriate recommendations to enhance adhesion. Failure to observe these precautions may result in intercoat delamination.

Shelf Life: 1 year minimum - unopened

FEATURES

Advantages:

- Alkyd-like hardness and durability
- Excellent color retention
- High hiding
- Non-yellowing
- All purpose finish for multiple surfaces
- Excellent resistance to grease, oil and water
- Excellent flow and leveling
- Resists peeling and chipping
- Low odor and water clean-up
- Washable and scrubbable
- Good abrasion resistance
- Easy application - brush, roll or spray
- May be applied direct to steel and aluminum

Limitations of Use: Not recommended for large areas of exterior wood such as wood siding.

PERFORMANCE DATA

PROPERTY

Abrasion Resistance
Pencil Hardness
Flexibility
Impact Resistance
Accelerated Weathering
Service Temperature Limit
Flame Spread Rating:

TEST METHOD

ASTM D 4060 CS-17 wheels 1000g load, 300 cycles
ASTM D 3363
ASTM D 522, Method B, 1/8"
ASTM D 2794
ASTM G23, QUV 1000 hrs.
ASTM E 84

RESULTS

40mg loss
2B
No cracking or flaking
160 in.-lbs.
Excellent gloss retention
200°F (93°C) in air
Class A (0-25) over non-combustible surfaces.

Read Label and Material Safety Data Sheet Prior to Use. See other cautions on last page. DSF1-0690

09800

FINISHES
SPECIAL COATINGS (9800)

DEVVOE COATINGS

DEVVOE
HIGH PERFORMANCE
COATINGS

DEVVOE
HIGH PERFORMANCE
COATINGS

DEVVOE COATINGS

FINISHES
SPECIAL COATINGS (9800)

EPAHO110001945

GENERAL SURFACE PREPARATION

All surfaces must be sound, dry, clean, and free of oil, grease, wax, polish, dirt, mildew, form release agents, curing compounds, efflorescence, loose and flaking paint and other foreign substances.

New Surfaces: Steel and Aluminum -Best results are obtained over a surface abrasive blasted to commercial blast cleanliness (SSPC-SP6 or ISO-Sa2). Performance over hand or power tool cleaned surfaces is dependent on the degree of cleaning. Prime with this product or DEVFLEX™ 4020 primer. For maximum corrosion protection, prime with DEVGUARD™ 4160 or DEVGUARD 4360 primers depending on local VOC regulations. When using colors tinted with more than 2 oz./gal. of ICI Paints Colorants, a primer is recommended. When using as a DTM finish without a primer, a minimum of two coats is recommended for best corrosion resistance. **Galvanized Metal**- Prime with DEVVRAN® 205 or DEVVRAN 203 epoxy primers, DEVFLEX 4020 acrylic primer or DEVGUARD 4160 or DEVGUARD 4360 primers depending on local VOC regulations. **Wood**- Interior, set nails and fill holes with latex spackle. Sand smooth. Dust clean. Self-prime or prime with DEVFLEX 4020 primer. Do not use this product with lacquer undercoats. Exterior, spot prime pine knots with PREP & PRIME® HYDROSEALER® 6001 primer. Prime entire surface with PREP & PRIME HYDROSEALER 6001 primer. **Drywall**- Prime with DEVFLEX 4020 primer. **Concrete, Plaster and Masonry**- Cure at least 30 days before painting. pH must be 10.0 or lower. Roughen slick poured or pre-cast concrete and remove sealers by chemical cleaning or abrasive blasting. Rinse thoroughly

with water and allow to dry. Remove loose aggregate. Prime interior concrete or plaster with this product or with DEVFLEX 4020 primer. Prime exterior masonry with PREP & PRIME HYDROSEALER 6001 primer. Fill concrete block with BLOXFIL® 4000 or PREP & PRIME 3010 fillers.

Previously Painted Surfaces: Remove oil or grease residue by washing. Rinse thoroughly with water and allow to dry. Dull glossy areas by light sanding. Remove sanding dust. Remove loose paint. Scrub heavy chalk areas and overhead areas such as eaves with soap and water. Remove all mildew by washing with a solution of 16 oz. (473 ml) liquid household bleach and two oz. (59 ml) non-ammoniated liquid detergent per gallon (3.785 L) of water. Rinse surfaces clean. Prime bare areas with primer specified under **NEW SURFACES**. Can be used self-primed over previously painted surfaces followed by a finish coat of this product.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

DIRECTIONS FOR USE

Tinting: Tint the appropriate base with ICI Paints Colorants.

Spreading Rate: Apply at 138-368 sq. ft./gal. (3-9 m²/L) or 4- 11.6 mils (100-290 microns) wet (1.5-4.0 mils dry). Actual coverage may vary depending on substrate and application method. For best hiding, tint primers toward finish coat color.

Application: Mix thoroughly before use. May be applied by brush, roll or spray. No thinning required. Due to fast dry, brushing should be limited to small areas where a wet edge can be maintained. Rinse out brush in warm water periodically during extended brush application periods. If touch-up is required after the enamel

has set, wait until it has thoroughly dried. For airless spray, use a .015" tip. Adjust pressure as needed. Use two coats of this enamel for maximum durability and uniformity. Do not apply when surface or air temperature is below 50°F (10°C). Brushing and rolling may require multiple coats to achieve correct film thickness and/or hiding.

Drying Time (ASTM D 1640): At 77°F (25°C) and 50% R.H., dries to touch in one hour and to recoat in 24 hours. Low temperature, high humidity, thick films or poor ventilation will increase these times.

Clean-up: Clean immediately with warm, soapy water.

PRECAUTIONS

WARNING! CAUSES EYE BURNS. HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS INCLUDING DIZZINESS, HEADACHE OR NAUSEA. CAUSES SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED. OVEREXPOSURE MAY CAUSE BLOOD, LIVER, KIDNEY, REPRODUCTIVE SYSTEM DAMAGE. WHEN TINTED, CONTAINS ETHYLENE GLYCOL WHICH CAN CAUSE SEVERE KIDNEY DAMAGE WHEN INGESTED AND HAS BEEN SHOWN TO CAUSE BIRTH DEFECTS IN LABORATORY ANIMALS. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.

NOTICE: Products in this series contain solvents. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. For emergency information call (800) 545-2643. **Note: These warnings encompass the product series. Prior to use, read and follow product-specific MSDS and label information.** If sanding is done, wear a dust mask to avoid breathing of sanding dust. Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. Avoid contact with eyes and skin. If you experience eye watering, headaches, or dizziness, leave the area. If properly used, a respirator may offer additional protection. Obtain professional advice before using. Close container after each use. **FIRST AID:** In case of skin contact, wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin, then wash again with soap and water. Repeated applications may be needed. Remove contaminated clothing. For eye contact, flush immediately with large amounts of water, for at least 15 minutes. **Obtain emergency medical treatment.** If swallowed, **obtain medical treatment immediately.** If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, get medical help. **KEEP FROM FREEZING.** DS112-1003

SHIPPING

Flash Point: None
Packaging: 1 gallon (3.785L)
5 gallons (18.925L)

Shipping Weight: 4 gallon case - 44 lbs. (20.0 kg)
5 gallon pail - 54 lbs. (24.5 kg)

4216HP (05/07)
Ad Stock #68777E



Strongsville, Ohio U.S.A.
800-654-2616
www.devvoecoatings.com

LIMITATION OF LIABILITY: To the best of our knowledge, the technical data contained herein are true and accurate at the date of issuance but are subject to change without prior notice. We guarantee our product to conform to the specifications contained therein. WE MAKE NO OTHER WARRANTY OR GUARANTEE OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE. Liability, if any, is limited to replacement of the product or refund of the purchase price. LABOR OR COST OF LABOR AND OTHER CONSEQUENTIAL DAMAGES ARE HEREBY EXCLUDED.



MATERIAL SAFETY DATA SHEET

prepared 08/07/07

DEVFLEX 4216HP HIGH PERFORMANCE WATERBORNE ACRYLIC SEMI-
GLOSS ENAMEL
ICI Paints North America
15885 Sprague Road Strongsville, Ohio 44136
EMERGENCY TELEPHONE NO. (800) 545-2643

4216

HAZARDS IDENTIFICATION

(ANSI Section 3)

Primary route(s) of exposure : Inhalation, skin contact, eye contact, ingestion.

Effects of overexposure :

Inhalation : Irritation of respiratory tract. Prolonged inhalation may lead to mucous membrane irritation, dizziness and/or lightheadedness, headache, nausea, chest pain, coughing, central nervous system depression, difficulty of breathing, bronchitis, severe lung irritation or damage.

Skin contact : Irritation of skin. Prolonged or repeated contact can cause dermatitis, allergic response. Possible sensitization to skin. Skin contact may result in dermal absorption of component(s) of this product which may cause headache, nausea, central nervous system depression.

Eye contact : Irritation of eyes. Prolonged or repeated contact can cause conjunctivitis, tearing of eyes, redness of eyes.

Ingestion : Ingestion may cause mouth and throat irritation, drowsiness, dizziness and/or lightheadedness, headache, uncoordination, nausea, vomiting, diarrhea, gastro-intestinal disturbances, abdominal pain, central nervous system depression, intoxication, abnormal blood pressure, liver damage, kidney damage, reproductive system damage.

Medical conditions aggravated by exposure : Eye, skin, respiratory disorders, asthma-like conditions.

FIRST-AID MEASURES

(ANSI Section 4)

Inhalation : Remove to fresh air. Restore and support continued breathing. Get emergency medical attention. Have trained person give oxygen if necessary. Get medical help for any breathing difficulty. Remove to fresh air if inhalation causes eye watering, headaches, dizziness, or other discomfort. Get medical attention if discomfort or irritation persists.

Skin contact : Wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin. Repeated applications may be needed. Remove contaminated clothing. Wash contaminated clothing before re-use. If irritation occurs, consult a physician.

Eye contact : Flush immediately with large amounts of water, especially under lids for at least 15 minutes. If irritation or other effects persist, obtain medical treatment.

Ingestion : If swallowed, obtain medical treatment immediately.

FIRE-FIGHTING MEASURES

(ANSI Section 5)

Fire extinguishing media : Dry chemical or foam water fog. Carbon dioxide. Closed containers may explode when exposed to extreme heat or fire. Vapors are heavier than air and may travel long distances to a source of ignition and flash back. Vapors can form explosive mixtures in air at elevated temperatures. Closed containers may burst if exposed to extreme heat or fire. Dust explosion hazard. May decompose under fire conditions emitting irritant and/or toxic gases.

Fire fighting procedures : Water may be used to cool and protect exposed containers. Firefighters should use full protective clothing, eye protection, and self-contained breathing apparatus.

Hazardous decomposition or combustion products : Carbon monoxide, carbon dioxide, oxides of nitrogen, oxides of sulfur, toxic gases, acrylic monomers. Propionaldehyde

ACCIDENTAL RELEASE MEASURES

(ANSI Section 6)

Steps to be taken in case material is released or spilled : Comply with all applicable health and environmental regulations. Eliminate all sources of ignition. Ventilate area. Evacuate all unnecessary

personnel. Place collected material in proper container. Spilled material is extremely slippery. Complete personal protective equipment must be used during cleanup. Large spills - shut off leak if safe to do so. Dike and contain spill. Pump to storage or salvage vessels. Use absorbent to pick up excess residue. Keep salvageable material and rinse water out of sewers and water courses. Small spills - use absorbent to pick up residue and dispose of properly.

HANDLING AND STORAGE

(ANSI Section 7)

Handling and storage : Store below 100f (38c). Keep away from heat, sparks and open flame. Keep from freezing. Keep container tightly closed in a well-ventilated area.

Other precautions : Use only with adequate ventilation. Do not take internally. Keep out of reach of children. Avoid contact with skin and eyes, and breathing of vapors. Wash hands thoroughly after handling, especially before eating or smoking. Keep containers tightly closed and upright when not in use. Avoid conditions which result in formation of inhalable particles such as spraying or abrading (sanding) painted surfaces. If such conditions cannot be avoided, use appropriate respiratory protection as directed under exposure controls/personal protection. Empty containers may contain hazardous residues. Ground equipment when transferring to prevent accumulation of static charge.

EXPOSURE CONTROLS/PERSONAL PROTECTION

(ANSI Section 8)

Respiratory protection : Control environmental concentrations below applicable exposure standards when using this material. When respiratory protection is determined to be necessary, use a NIOSH/MSHA (Canadian z94.4) Approved elastomeric sealing- surface facepiece respirator outfitted with organic vapor cartridges and paint spray (dust/mist) prefilters. Determine the proper level of protection by conducting appropriate air monitoring. Consult 29CFR1910.134 For selection of respirators (Canadian z94.4).

Ventilation : Provide dilution ventilation or local exhaust to prevent build-up of vapors.

Personal protective equipment : Eye wash, safety shower, safety glasses or goggles. Impervious gloves, impervious clothing, face shield, apron.

STABILITY AND REACTIVITY

(ANSI Section 10)

Under normal conditions : Stable see section 5 fire fighting measures

Materials to avoid : Oxidizers, acids, reducing agents, bases, halogens, alkalis, aluminum, peroxides, nitric acid, hydrofluoric acid, magnesium, caustics. Nitrates.

Conditions to avoid : Elevated temperatures, contact with oxidizing agent, freezing, sparks, open flame, ignition sources.

Hazardous polymerization : Will not occur

TOXICOLOGICAL INFORMATION

(ANSI Section 11)

Supplemental health information : Contains a chemical that may be absorbed through skin.

Excessive inhalation of fumes may lead to metal fume fever characterized by a metallic taste in mouth, excessive thirst, coughing, weakness, fatigue, muscular pain, nausea, chills and fever. Notice - reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Contains iron oxide, repeated or prolonged exposure to iron oxide dust may cause siderosis, a benign pneumoconiosis. Other effects of overexposure may include toxicity to liver, kidney, lungs, blood, reproductive system.

The information contained herein is based on data available at the time of preparation of this data sheet which ICI Paints believes to be reliable. However, no warranty is expressed or implied regarding the accuracy of this data. ICI Paints shall not be responsible for the use of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and the health and safety of your employees and the users of this material. Complies with OSHA hazard communication standard 29CFR1910.1200.

EPAHO110001947

Carcinogenicity : In 2-year feed studies of C.I. Pigment red 3, there was some evidence of carcinogenic activity in male rats (adrenal gland - benign pheochromocytomas) and female rats (hepatocellular adenomas). There was also some evidence of carcinogenic activity in male mice (adenomas of renal cortex and thyroid gland), but no evidence in female mice. The international agency for research on cancer (IARC) has classified carbon black as possibly carcinogenic to humans (group 2b) based on sufficient evidence in animals and inadequate evidence in humans. In a lifetime inhalation study, exposure to 250 mg/m³ titanium dioxide resulted in the development of lung tumors in rats. These tumors occurred only at dust levels that overwhelmed the animals' lung clearance mechanisms and were different from common human lung tumors in both type and location. The relevance of these findings to humans is unknown but questionable. The international agency for research on cancer (IARC) has classified titanium dioxide as possibly carcinogenic to humans (group 2b) based on inadequate evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals. C.I. Pigment 5 showed weak hepatocarcinogenic potential in female rats and in male mice. In the female rats, the liver carcinogenicity was accompanied by hepatotoxicity.

Reproductive effects : No reproductive effects are anticipated

Mutagenicity : C.I. Pigment red was found to be mutagenic with and without metabolic activation in salmonella/microsome studies. In vivo tests and in vitro tests on mammalian cells were negative for mutagenicity.

Teratogenicity : Prolonged ingestion of diethylene glycol monomethyl ether has resulted in fetal development abnormalities in rats and effects on fertility in mice.

ECOLOGICAL INFORMATION

(ANSI Section 12)

No ecological testing has been done by ICI paints on this product as a whole.

DISPOSAL CONSIDERATIONS

(ANSI Section 13)

Waste disposal : Dispose in accordance with all applicable regulations. Avoid discharge to natural waters.

REGULATORY INFORMATION

(ANSI Section 15)

As of the date of this MSDS, all of the components in this product are listed (or are otherwise exempt from listing) on the TSCA inventory. This product has been classified in accordance with the hazard criteria of the CPR (controlled products regulations) and the MSDS contains all the information required by the CPR.

Physical Data

(ANSI Sections 1, 9, and 14)

Product Code	Description	Wt. / Gal.	VOC gr. / ltr.	% Volatile by Volume	Flash Point	Boiling Range	HMIS	DOT, proper shipping name
4216-0100	devflex 4216hp high performance waterborne acrylic semi-gloss enamel white tint base	10.29	221.19	66.25	none	212-453	*210	paint ** protect from freezing **
4216-0200	devflex 4216hp high performance waterborne acrylic semi-gloss enamel pastel tint base	9.92	233.75	67.18	none	212-453	*210	paint ** protect from freezing **
4216-0300	devflex 4216hp high performance waterborne acrylic semi-gloss enamel intermediate tb	9.24	241.48	69.54	none	212-453	*210	paint ** protect from freezing **
4216-0400	devflex 4216hp high performance waterborne acrylic semi-gloss enamel deep tint base	8.67	243.24	69.31	none	212-453	*210	paint ** protect from freezing **
4216-0500	devflex 4216hp high performance waterborne acrylic semi-gloss enamel accent base	8.51	235.24	70.06	none	212-453	*210	paint ** protect from freezing **
4216-1000	devflex 4216hp high performance waterborne acrylic semi-gloss enamel white high hiding	10.33	217.12	65.56	none	212-453	*210	paint ** protect from freezing **
4216-6650	devflex 4216hp high performance waterborne acrylic semi-gloss enamel medium green	8.68	242.31	68.83	none	149-453	*210	paint ** protect from freezing **
4216-7460	devflex 4216hp high performance waterborne acrylic semi-gloss enamel architectural brwn	8.91	232.00	67.34	none	212-453	*210	paint ** protect from freezing **
4216-9000	devflex 4216hp high performance waterborne acrylic semi-gloss enamel safety red	8.59	222.58	65.51	none	149-453	*210	paint ** protect from freezing **
4216-9200	devflex 4216hp high performance waterborne acrylic semi-gloss enamel safety orange	8.80	246.59	68.25	none	212-453	*310	paint ** protect from freezing **
4216-9400	devflex 4216hp high performance waterborne acrylic semi-gloss enamel safety yellow	9.18	220.93	65.34	none	212-453	*310	paint ** protect from freezing **
4216-9990	devflex 4216hp high performance waterborne acrylic semi-gloss enamel black	8.58	224.79	68.01	none	212-453	*210	paint ** protect from freezing **

Ingredients

Product Codes with % by Weight (ANSI Section 2)

Chemical Name	Common Name	CAS. No.	4216-0100	4216-0200	4216-0300	4216-0400	4216-0500	4216-1000	4216-6650	4216-7460	4216-9000	4216-9200	4216-9400	4216-9990
ethanol, 2-(2-methoxyethoxy)-	diethylene glycol monomethyl ether	111-77-3	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5
ethanol, 2-(2-butoxyethoxy)-	diethylene glycol monobutyl ether	112-34-5	1-5	5-10	5-10	5-10	5-10	5-10	5-10	5-10	5-10	5-10	5-10	5-10
iron oxide	ferric oxide	1309-37-1								1-5				
carbon black	carbon black	1333-86-4								1-5				1-5
titanium oxide	titanium dioxide	13463-67-7	20-30	10-20	10-20	1-5		20-30	1-1.0	1-5		1-5	5-10	
butanamide, 2-((4-chloro-2-nitrophenyl)azo)- n-(2-methoxyphenyl)-3-oxo-	c.i. pigment yellow 73	13515-40-7											5-10	

Ingredients (Continued)

Product Codes with % by Weight (ANSI Section 2)

Chemical Name	Common Name	CAS. No.	4216-0100	4216-0200	4216-0300	4216-0400	4216-0500	4216-1000	4216-6650	4216-7460	4216-9000	4216-9200	4216-9400	4216-9990
2-naphthalenol, 1-((4-methyl-2-nitrophenyl)azo)-	pigment red 3	2425-85-6									5-10			
2-naphthalenol, 1-((2,4-dinitrophenyl)azo)-	dinitroaniline orange	3468-63-1										1-5		
c.i. pigment yellow 42	yellow iron oxide	51274-00-1							1-5	1-5				
1,2-propanediol	propylene glycol	57-55-6							1-5			1-5		
butanamide, 2-((2-methoxy-4-nitrophenyl)azo)-n-(2-methoxyphenyl)-3-oxo-	pigment yellow 74	6358-31-2							1-5			1-5		
water	water	7732-18-5	40-50	40-50	50-60	50-60	50-60	40-50	50-60	50-60	50-60	50-60	40-50	50-60
surfactant	surfactant	Sup. Conf.									1-5			
acrylic resin	acrylic resin	Sup. Conf.	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30	30-40
trade secret	trade secret	Sup. Conf.											1-5	
trade secret	trade secret	Sup. Conf.											1-5	

Chemical Hazard Data

(ANSI Sections 2, 8, 11, and 15)

Common Name	CAS. No.	ACGIH-TLV				OSHA-PEL				S.R. Std.	S2	S3	CC	H	M	N	I	O
		8-Hour TWA	STEL	C	S	8-Hour TWA	STEL	C	S									
diethylene glycol monomethyl ether	111-77-3	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	y	n	y	n	n	n	n
diethylene glycol monobutyl ether	112-34-5	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	y	n	y	n	n	n	n
ferric oxide	1309-37-1	5 mg/m3	not est.	not est.	not est.	5 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
carbon black	1333-86-4	3.5 mg/m3	not est.	not est.	not est.	3.5 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	n	y	n
titanium dioxide	13463-67-7	10 mg/m3	not est.	not est.	not est.	10 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	y	y	n
c.i. pigment yellow 73	13515-40-7	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
pigment red 3	2425-85-6	10 mg/m3	not est.	not est.	not est.	15 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
dinitroaniline orange	3468-63-1	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
yellow iron oxide	51274-00-1	5 mg/m3	not est.	not est.	not est.	10 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
propylene glycol	57-55-6	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
pigment yellow 74	6358-31-2	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
surfactant	Sup. Conf.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
trade secret	Sup. Conf.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
trade secret	Sup. Conf.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n

Footnotes:

C=Ceiling - Concentration that should not be exceeded, even instantaneously.

S=Skin - Additional exposure, over and above airborne exposure, may result from skin absorption.

n/a=not applicable
not est.=not established
CC=CERCLA Chemical

ppm=parts per million
mg/m3=milligrams per cubic meter
Sup Conf=Supplier Confidential

S2=Sara Section 302 EHS
S3=Sara Section 313 Chemical
S.R.Std.=Supplier Recommended Standard

H=Hazardous Air Pollutant, M=Marine Pollutant
P=Pollutant, S=Severe Pollutant
Carcinogenicity Listed By:
N=NTP, I=IARC, O=OSHA, y=yes, n=no

DUCO Inc
2998



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/19/2008

Dear Bill Martin

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2998

Expiration Date 9/19/2010

Generator: Duco, Inc.

Address: 16661 Jacinto Port Blvd
Houston, TX 77015

Waste Information

Name of Waste: Grease

TCEQ Waste Code #: 30104091

Container Type:

Detailed Description of Process Generating Waste:

Collected after it was used from the base of vertical helix assembly machine

Color: red-fresh; black-spent **Odor:** mild **pH:** neutral

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110001951

YRP
OK

GB/AL



4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator Information

Company: Duco, Inc
Address: 16661 Jacinto Port Blvd
City: Houston State: TX Zip: 77015
Contact: Bill Martin Title: _____
Phone Number: 281.249.2842 Fax Number: 281.457.6794
24/hr Phone Number: 281.249.2842 Cell Phone (24 hr): 713 560 0678
US EPA ID No: TXD000807966
State ID No: _____ SIC Code: 33041 3498

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City: _____ State: _____ Zip: _____
Contact: _____ Title: _____
Phone Number: _____ Fax Number: _____

SECTION 3: General Description of the Waste

Name of Waste: Grease

Detailed Description of Process Generating Waste:

collected after it was used from the base of Vertical Helix Assembly Machine

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: Red (FRESH), BLACK (SPENT) Odor: mild

Specific Gravity (water=1): 0.91 Density: na 8 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☐ Monthly ☒ Yearly ☐ One-Time

Quantity: 4

☐ Yes ☒ No

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009
☐ D010 ☐ D011

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☒ No

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

Proper US DOT Shipping Name:		Non RCRA/Non DOT regulated material			
Class:	na	UN/NA:	na	PG :	na
				RQ:	na

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
>200		neutral		0 <u>mg/l</u>		0 <u>mg/l</u>		100 %	
Oil & Grease		TOC		Zinc		Copper		Nickel	
>1500	<u>mg/l</u>	>40000	<u>mg/l</u>	0	<u>mg/l</u>	0	<u>mg/l</u>	0	<u>mg/l</u>

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. MSDS

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

None known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	<u>x</u>
TCLP Volatiles:	<u>x</u>
TCLP Semi-Volatiles:	<u>x</u>
Reactivity:	<u>x</u>
Corrosivity:	<u>x</u>
Ignitability:	<u>x</u>

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?

☐ YES

☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____



Digitally signed by bmartin
Date: 2008.09.10 08:54:26
-05'00'

Date: _____

9/10/08

Printed Name/Title: _____

Bill Martin, QHSE Manager/DUCO Inc.

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Date: 9-19-08

Approval Number: _____

2998

☒ Approved

☐ Rejected



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

\$50/drum Trans \$70/hour + FSC

2. Contamination Limit (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

There can be no free liquids.

5. Treatment and Handling Protocol:

Class 1 ~~sludge~~ box

Solid

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--

Material Safety Data Sheet



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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TEXACO Starplex

PRODUCT NUMBER(S): CPS221927 CPS221935

SYNONYM: TEXACO Starplex 1
TEXACO Starplex 2

COMPANY IDENTIFICATION

Texaco Lubricants Company
6001 Bollinger Canyon Road, T3325/B10
San Ramon, CA 94583

EMERGENCY TELEPHONE NUMBERS

HEALTH (24 hr): (800)231-0623 or
(510)231-0623 (International)
TRANSPORTATION (24 hr): CHEMTREC
(800)424-9300 or (703)527-3887
Emergency Information Centers
are located in U.S.A.
Int'l collect calls accepted

PRODUCT INFORMATION: MSDS Request: (800) 414-6737
Environmental, Safety & Health Info: (925) 842-5535
Product Information: (800) 582-3835

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % TEXACO Starplex

CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
LUBRICATING BASE OIL			
SEVERELY REFINED PETROLEUM DISTILLATE			
	> 50.00%	5 mg/m3 (mist)	ACGIH TWA
		10 mg/m3 (mist)	ACGIH STEL
		5 mg/m3 (mist)	OSHA PEL

The BASE OIL may be a mixture of any of the following: CAS 64741884,
CAS 64741895, CAS 64741964, CAS 64741975, CAS 64742014, CAS 64742525,
CAS 64742536, CAS 64742547, CAS 64742558, CAS 64742570, CAS 64742627,

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CAS 64742650, or CAS 72623837.

LITHIUM BASE THICKENERS < 25.00%

ADDITIVES INCLUDING THE FOLLOWING
< 25.00%

ZINC ALKYL DITHIOPHOSPHATE

Chemical Name: PHOSPHORODITHIOIC ACID,O,O-DI-C1-14-ALKYL ESTERS, ZINC SALT
CAS68649423 < 5.00% NONE NA

COMPOSITION COMMENT:

All the components of this material are on the Toxic Substances Control Act Chemical Substances Inventory.

This product fits the ACGIH definition for mineral oil mist. The ACGIH TLV is 5 mg/m3, the OSHA PEL is 5 mg/m3.

3. HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

EYE:

Not expected to cause prolonged or significant eye irritation.

SKIN:

Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

INGESTION:

Not expected to be harmful if swallowed.

INHALATION:

Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit.

4. FIRST AID MEASURES

EYE:

No specific first aid measures are required because this material is not expected to cause eye irritation. As a precaution remove contact lenses, if worn, and flush eyes with water.

SKIN:

No specific first aid measures are required because this material is not

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expected to be harmful if it contacts the skin. As a precaution, remove clothing and shoes if contaminated. Use a waterless hand cleaner, mineral oil, or petroleum jelly to remove the material. Then wash skin with soap and water. Wash or clean contaminated clothing and shoes before reuse.

INGESTION:

No specific first aid measures are required because this material is not expected to be harmful if swallowed. Do not induce vomiting. As a precaution, give the person a glass of water or milk to drink and get medical advice. Never give anything by mouth to an unconscious person.

INHALATION:

If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

NOTE TO PHYSICIANS:

In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

5. FIRE FIGHTING MEASURES

FIRE CLASSIFICATION:

Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

FLAMMABLE PROPERTIES:

FLASH POINT: 388F (198C)

AUTOIGNITION: NDA

FLAMMABILITY LIMITS (% by volume in air): Lower: NA Upper: NA

EXTINGUISHING MEDIA:

CO2, Dry Chemical, Foam, Water Fog

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0.

FIRE FIGHTING INSTRUCTIONS:

This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

COMBUSTION PRODUCTS:

Normal combustion forms carbon dioxide and water vapor and may produce oxides of sulfur and phosphorus. Combustion may form oxides of zinc and H2S. Incomplete combustion can produce carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

CHEMTREC EMERGENCY NUMBER (24 hr): (800)424-9300 or (703)527-3887

International Collect Calls Accepted

ACCIDENTAL RELEASE MEASURES:

Clean up spills immediately.

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7. HANDLING AND STORAGE

Do not store at temperatures above 120F (49C).

Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner, or properly disposed of. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS

No special ventilation is usually necessary.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION:

No special eye protection is normally required.

SKIN PROTECTION:

No special protective clothing is normally necessary.

RESPIRATORY PROTECTION:

No respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the recommended mineral oil mist exposure limits. If not wear a NIOSH approved respirator that provides adequate protection from measured concentrations of this material. Use the following elements for air-purifying respirators: particulate.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:

Red grease.

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pH: NA
 VAPOR PRESSURE: <0.01 mm Hg at 100F
 VAPOR DENSITY (AIR=1): Heavier than air.
 BOILING POINT: >500F (>260C)
 MELTING POINT: 270C (Dropping Point)
 SOLUBILITY: Soluble in hydrocarbon solvents; insoluble in water.
 SPECIFIC GRAVITY: 0.91 @ 15.6C/15.6C
 VISCOSITY: 15.5 cSt @ 100C Extracted Oil

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

H₂S may be released at high temperatures.

CHEMICAL STABILITY:

Stable.

CONDITIONS TO AVOID:

No data available.

INCOMPATIBILITY WITH OTHER MATERIALS:

May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:

The eye irritation hazard is based on data for a similar material.

SKIN EFFECTS:

The skin irritation hazard is based on data for a similar material.

ACUTE ORAL EFFECTS:

The acute oral toxicity is based on data for a similar material.

ACUTE INHALATION EFFECTS:

The acute respiratory toxicity is based on data for a similar material.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

This product contains zinc alkyl dithiophosphates (ZDDPs). Several ZDDPs have been reported to have weak mutagenic activity in cultured mammalian cells but only at concentrations that were toxic to the test cells. We do not believe that there is any mutagenic risk to workers exposed to ZDDPs.

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12. ECOLOGICAL INFORMATION

ECOTOXICITY:

The toxicity of this material to aquatic organisms has not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.

ENVIRONMENTAL FATE:

This material is not expected to be readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT SHIPPING NAME: NONE

DOT HAZARD CLASS: NONE

DOT IDENTIFICATION NUMBER: NONE

DOT PACKING GROUP: N/A

ADDITIONAL INFO: Petroleum Lubricating Grease - Not hazardous by US DOT.
ADR/RID Hazard Class - Not applicable

15. REGULATORY INFORMATION

SARA 311 CATEGORIES:	1. Immediate (Acute) Health Effects:	NO
	2. Delayed (Chronic) Health Effects:	NO
	3. Fire Hazard:	NO
	4. Sudden Release of Pressure Hazard:	NO
	5. Reactivity Hazard:	NO

REGULATORY LISTS SEARCHED:

01=SARA 313	11=NJ RTK	22=TSCA Sect 5(a) (2)
02=MASS RTK	12=CERCLA 302.4	23=TSCA Sect 6
03=NTP Carcinogen	13=MN RTK	24=TSCA Sect 12(b)
04=CA Prop 65-Carcin	14=ACGIH TWA	25=TSCA Sect 8(a)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	26=TSCA Sect 8(d)

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06=IARC Group 1	16=ACGIH Calc TLV	27=TSCA Sect 4(a)
07=IARC Group 2A	17=OSHA PEL	28=Canadian WHMIS
08=IARC Group 2B	18=DOT Marine Pollutant	29=OSHA CEILING
09=SARA 302/304	19=Chevron TWA	30=Chevron STEL
10=PA RTK	20=EPA Carcinogen	31=OSHA STEL

The following components of this material are found on the regulatory lists indicated.

PHOSPHORODITHIOIC ACID,O,O-DI-C1-14-ALKYL ESTERS, ZINC SALTS

is found on lists: 01,11,

SEVERELY REFINED PETROLEUM DISTILLATE

is found on lists: 14,15,17,

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A.

34:5A-1 et. seq., the product is to be identified as follows:

Petroleum Oil (Grease)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

16. OTHER INFORMATION

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0;

HMIS RATINGS: Health 1; Flammability 1; Reactivity 0;

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

REVISION STATEMENT:

This is a new Material Safety Data Sheet.

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	PEL - Permissible Exposure Limit
C - Ceiling Limit	CAS - Chemical Abstract Service Number
A1-5 - Appendix A Categories	() - Change Has Been Proposed
NDA - No Data Available	NA - Not Applicable

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Toxicology and Health Risk Assessment Unit, CRTC, P.O. Box 1627, Richmond, CA 94804

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may

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be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

THIS IS THE LAST PAGE OF THIS MSDS

DUCO INC. MREF: 0273

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EPAHO110001965

City of Houston Public
Works
2997



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 9/19/2008

Dear Ray Dodson

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2999

Expiration Date 9/19/2010

Producer: City of Houston Public Works

Address: 2300 Federal Rd
Houston, TX 77015

Material / Product Information

Name of Material / Product Unused acid alum

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Unused product spilled in a concrete containment of a water treatment facility

Color: amber

Odor: none

pH: <1

Physical State:

Incompatibilities: strong oxidizers, heat

Safety Related Data/Special Handling:

ppe for corrosives

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110001967

GRP

Try based as a
product. Market
value is \$0.55/gal.

2999



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Material Producer Information

Company: City of Houston Public Works
Address: 2300 Federal Rd
City, State, Zip: Houston, TX 77015
Contact: Ray Dodson Title:
Phone No: 713-628-2499 Fax No:
24/hr Phone: 713-628-2499
U.S. EPA I.D. No:
State I.D. SIC Code:

SECTION 2: Billing Information - ☐ Same as Above

Company: Altivia Corp.
Address: 1100 Louisiana, Suite 3160
City, State, Zip: Houston, TX 77002
Contact: Earl Title:
Phone No: 713-658-9000 Fax No: 713-450-0779

SECTION 3: General Description of the Material / Product

Name of Material / Product: Unused Acid Alum

Detailed Description of Process Generating or Producing the Material / Product: Unused product spilled in a concrete containment of a water treatment facility.

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Amber

Odor: None

Specific Gravity (water=1): 1.29-1.33 Density: 11 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: 5000

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 1-5 Other: Product

Proper U.S. DOT Shipping Name: Corrosive Liquid, Nos

Class: 8 UN/NA: 1760 PG: III RQ:

Flash Point >200	pH <1	N/A	N/A	Solids 0-3%
Oil & Grease Nmg/l	TOC Nmg/l	Zinc Nmg/l	Copper Nmg/l	Nickel Nmg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Acid Alum (See MSDS Sheets)	100	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
PPE appropriate for Corrosive Liquids

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.
MSDS Sheets

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Strong oxidizers, heat

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u>[Signature]</u>	
Date: <u>9-19-08</u> <u>[Signature]</u> Approved Rejected	
Approval Number: <u>2999</u>	



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. **Base Pricing (including freight):**

.70/gal plus Trans

2. **Contamination Limits (maximum limit before surcharges apply):**

Flash or very high metals

3. **Surcharge Pricing:**

None

4. **Special Testing Requirements:**

PH, Metals, TOC, Flash ; Use for treatment in waste water & calculate the volume that would be needed to flow a waste water tank of waste material.

5. **Treatment and Handling Protocol:**

Neutralize in waste water treatment process NO If treated in waste water this will create a sludge. Try to sell as a product.

6. **Treated Wastewater Discharge Subcategory:**

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

Test to see if czn be used as coagulant in water treatment process

8. Management for Product Recovered/Recycled (if applicable):

Use in CES water treatment



CES SAMPLE EVALUATION FORM

Sample ID # _____

Date: _____

CES Sales Representative: _____

Requested Turnaround / Completion Date: _____

Customer Name: _____

Generator Name and Location: _____

Ultimate Objective for Performing Analysis: _____

Provide a Detailed Description of the Process Generating the Waste, Material, or Product:

Provide a detailed Composition to the best of your knowledge:

Component / Approximate Percentage or PPM:

_____	/	_____	/
_____	/	_____	/
_____	/	_____	/
_____	/	_____	/

Internal Analysis to be Performed on Wastewater/Sludge and Oily Water/sludge:

Wastewater Treatability _____	Percent Solids _____	Percent Oil _____
Specific Gravity _____	Chlor-d-tect (oil phase) _____	pH _____
Phenols _____	Oil and Grease (water phase) _____	TOC _____
Distillation Test _____	Metals _____	Flash _____
GC/MS _____	Chlor-n-oil (oil phase) _____	Centrifuge Test _____

Other Internal Analysis (List) _____

Off-site Lab Analysis (List) _____

Note: Must have an approved P.O. for any external lab analysis

Internal Analysis to be Performed on Hydrocarbons or other Organic Chemicals:

Ash _____	Black Oil Suitability _____	Viscosity _____
Specific Gravity _____	Light End Suitability _____	Distillation Test _____
Flash _____	CES Fuel Suitability _____	Hydro-scout _____
Chlor-d-tect _____	Color _____	Chlor-n-oil _____
Water by Distillation _____	Water Extractability _____	

Other Internal Analysis (List) _____

Off-site Lab Analysis (List) _____

Note: Must have an approved P.O. for any external lab analysis

Internal Analysis to be Performed on Spent Caustic:

Percent Potassium Hydroxide _____	Specific Gravity _____	Sulfides _____
Percent Sodium Hydroxide _____	Chlorides _____	Sodium _____
Percent Solids by Centrifuge _____	Oil by Centrifuge _____	TOC _____

Other Internal Lab Analysis (List) _____

Off-site Lab Analysis (List) _____

Note: Must have an approved P.O. for any external lab analysis



ALTIVIA

MATERIAL SAFETY DATA SHEET**Acid Alum**

ALTIVIA 24 Hour Emergency Phone Number: 713-636-3189
Transportation Emergencies CHEMTREC: 800-424-9300

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Acid Alum

CHEMICAL NAME/ FAMILY: Metal Salts/ Coagulant

TRADE NAMES/ SYNONYMS: AQUALUM™; Acidified Aluminum Sulfate Solution; Sulfuric Acid, Aluminum Salt

MOLECULAR FORMULA: $\text{Al}_2(\text{SO}_4)_3 \cdot 14\text{H}_2\text{O} / \text{H}_2\text{SO}_4$

MANUFACTURER: ALTIVIA, 1100 Louisiana, Suite 3160, Houston, TX 77002

SECTION 2: COMPOSITION/ INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	% RANGE
Aluminum Sulfate	10043-01-3 (anhydrous)	32-38%
Sulfuric Acid*	7664-93-9	6.5-7.5%
Water	7732-18-5	Balance

* Denotes chemical subject to reporting requirements of Section 313 of Title III of the 1986 Superfund Amendments and Reauthorization Act (SARA) and 40 CFR Part 372.

SECTION 3: HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

DANGER! Causes skin and eye irritation or burns. Do not get in eyes, on skin or on clothing. May be harmful if inhaled, do not breathe mist. May be fatal if swallowed. Not flammable but may release toxic vapors if decomposed in a fire.

POTENTIAL HEALTH EFFECTS**EYE**

May cause corneal burns or severe irritation in eyes.

SKIN

Fumes or mists may cause irritation or burns to skin.

INGESTION

Oral and gastrointestinal irritation. Local tissue damage. Nausea, vomiting, diarrhea, and gastrointestinal bleeding may follow. **Can be fatal if swallowed.**



MATERIAL SAFETY DATA SHEET – Acid Alum

INHALATION

Irritation of the respiratory system.

SIGNS AND SYMPTOMS OF EXPOSURE

Irritation and or burns to exposed tissue, respiratory distress, nausea, vomiting or diarrhea.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Acute or chronic respiratory diseases. Dermatitis.

EFFECTS FOLLOWING REPEATED EXPOSURE

Long term exposure if inhaled may cause bronchial irritation, coughing, and bronchial pneumonia. Prolonged contact with eyes or skin may result in corneal burns, skin sensitization and burns. If ingested large doses may result in kidney/ liver and blood damage.

SECTION 4: FIRST AID MEASURES

EYES

Hold eye open and rinse slowly and gently for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention for irritation or any other symptom.

SKIN

Take off contaminated clothing and shoes. Rinse skin immediately with plenty of water for 15-20 minutes. Get medical attention for irritation or burns. Wash clothing and thoroughly clean shoes before reuse.

INGESTION

Call a poison control center or doctor for immediate advice. Have person drink a glass of water immediately if able to swallow. Do not induce vomiting unless directed to do so by medical personnel. Do not give anything by mouth to an unconscious person.

INHALATION

Remove person from exposure to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration (CPR). If individual is breathing, but with difficulty, get immediate medical attention.

NOTES TO PHYSICIAN

All treatment should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Aluminum soluble salts may cause gastroenteritis if ingested. Treatment includes the use of demulcents.

See Section 11 for Toxicological Information.

SECTION 5: FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT

Not Applicable

AUTOIGNITION TEMPERATURE

Not Applicable

FLAMMABLE LIMITS IN AIR (% BY VOLUME)

Not Applicable

FLAMABLE PROPERTIES

Will not burn

EXTINGUISHING MEDIA

Choose extinguishing media suitable for surrounding materials.



MATERIAL SAFETY DATA SHEET – Acid Alum

HAZARDOUS COMBUSTION PRODUCTS

Thermal decomposition may release toxic and/ or hazardous gases such as oxides of sulfur.

FIRE FIGHTING INSTRUCTIONS

Use NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing if involved in a fire. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Move container from fire area if it can be done without risk. Water spray may be ineffective on fire but can protect fire-fighters and cool closed containers. Do not release runoff from fire control methods to sewers or waterways. Dike area to prevent runoff and water source contamination.

SECTION 6: ACCIDENTAL RELEASE MEASURES

WATER SPILL

Prevent additional discharge of material, if possible to do so without hazard.

LAND SPILL

Prevent additional discharge of material, if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, if in public area, advise authorities.

GENERAL PROCEDURES

No smoking in spill areas. Isolate spill area and deny entry to unnecessary or unprotected personnel. Remove all sources of ignition, such as flames, hot glowing surfaces or electric arcs. Stop source of spill as soon as possible and notify appropriate personnel. Cleanup personnel must wear proper protective equipment (refer to Section 8). Decontaminate all clothing. Notify all downstream water users of possible contamination.

Create a dike or trench to contain all liquid material. **Acid Alum** can be carefully neutralized with Soda Ash or Lime. Spill materials may also be absorbed using clay, soil or nonflammable commercial absorbents. **Do not** place spill materials back in their original container. Containerize and label all spill materials properly.

RELEASE NOTES

Notify the National Response Center (800/424/8802) of uncontained releases to the environment in excess of the Reportable Quantity (RQ). See Section 15, Regulatory Information. Recycle or dispose of recovered material in accordance with all federal, state, and local, regulations.

For all transportation accidents, call CHEMTREC at 800/424-9300.

SECTION 7: HANDLING AND STORAGE

HANDLING

Do not get in eyes, or on skin, or clothing. Do not taste or swallow. Avoid breathing mists or fumes. Do not handle with bare hands. Carefully monitor handling, use and storage to avoid spills and leaks. Follow protective controls set forth in Section 8 when handling this product. **Do not eat, drink, or smoke in work area.** Wash hands prior to eating, drinking, or using restroom.

STORAGE

STORAGE CONDITIONS

Stainless steel or fiberglass tanks are recommended. Do not put concentrate or dilutions of concentrate on food or drink containers. Store in closed, properly labeled tanks or containers. Do not remove or deface labels or tags. Store in a cool, well ventilated place away from heat sources, direct sunlight and incompatible materials. Keep drums upright. Do not reuse empty containers without commercial cleaning or reconditioning.

**MATERIAL SAFETY DATA SHEET – Acid Alum****STORAGE TEMPERATURE**

Do not allow product to freeze. Do not store above 49°C (120°F).

SECTION 8. EXPOSURE CONTROLS PERSONAL PROTECTION**ENGINEERING CONTROLS****VENTILATION**

Local exhaust ventilation is recommended if vapors, mists or aerosols are generated. Otherwise, use general exhaust ventilation.

PERSONAL PROTECTIVE EQUIPMENT (PPE)**EYE AND FACE PROTECTION**

Wear chemical goggles. A face shield should be worn in addition to goggles where splashing or spraying is possible.

SKIN PROTECTION

Wear chemical resistant clothing. Neoprene gloves, boots and apron or slicker suit.

RESPIRATORY PROTECTION

If airborne exposures exceed 1.0 mg/m³, a negative pressure air-purifying respirator is recommended. Cartridges must be NIOSH/MSHA approved against dusts and mists having TWA than 0.05 mg/m³.

GENERAL

Safety shower and eye wash station must be provided in the immediate work area. Protective equipment and clothing should be selected, used, and maintained according to applicable standards and regulations. For further information, contact the clothing or equipment manufacturer.

EXPOSURE GUIDELINES

Component Data: Aluminum Sulfate (10043-01-3)
PEL (OSHA): 2.0 mg/m³ soluble salts as Al
TLV (ACGIH): 2.0 mg/m³ soluble salts as Al

Component Data: Sulfuric Acid (7664-93-9)
PEL (OSHA): 1.0mg/m³, 8 Hr. TWA
TLV (ACGIH): 1.0 mg/m³, 8 Hr. TWA A2 (Sulfuric acid contained in strong inorganic acid mists)

**MATERIAL SAFETY DATA SHEET – Acid Alum****SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

CHEMICAL FORMULA	Al ₂ (SO ₄) ₃ ·14H ₂ O/ H ₂ SO ₄
MOLECULAR WEIGHT	Mixture
APPEARANCE	Colorless to amber liquid
ODOR	None
pH @ 25 °C	<1
VAPOR PRESSURE	Not Established
VOLATILES, % BY VOLUME	Not Established
BOILING POINT	Not Established
CRYSTALLIZATION POINT	Not Established
SOLUBILITY IN WATER	Complete
SPECIFIC GRAVITY	1.29-1.32 @ 25°C (77°F)
DENSITY	10.75-11.00 lbs./gal @ 25°C (77°F)
VISCOSITY	Not Established

SECTION 10: STABILITY AND REACTIVITY**CHEMICAL STABILITY**

Stable

CONDITIONS TO AVOID

Heat

INCOMPATIBILITY WITH OTHER MATERIALS

Strong oxidizers such as permanganate, sodium chlorite, chromates and peroxides. Corrosive to some metals.

HAZARDOUS DECOMPOSITION PRODUCTS

Aluminum oxides. Toxic and corrosive oxides of sulfur may be formed when heated to decomposition. At decomposition temperatures of 650°C (1200°F) and above, the sulfur trioxide formed is an oxidizing agent and may cause a combustion reaction.

HAZARDOUS POLYMERIZATION

Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION**ANIMAL TOXICOLOGY****EYE**

May cause corneal burns or severe irritation in eyes.

SKIN

Fumes or mists may cause irritation or burns to skin.

ACUTE ORAL EFFECTS

Component Data: Aluminum Sulfate (10043-01-3) LD₅₀ (oral, mouse) > 5,000 mg/kg
Aluminum Sulfate (10043-01-3) LD₅₀ (oral, rat): 1930 mg/kg

Component Data: Sulfuric Acid (7664-93-9) LD₅₀ is > 2,140 mg/kg

**MATERIAL SAFETY DATA SHEET – Acid Alum****ACUTE INHALATION EFFECTS**

Component Data: Sulfuric Acid (7664-93-9) 8 hour, LC₅₀ (guinea pigs) 30 mg/m³.

EFFECTS FOLLOWING PROLONGED OR REPEATED EXPOSURE

No available data for product.

CARCINOGENICITY

This product (or any component at a concentration of 0.1% or greater) is not listed by NTP, IARC, OSHA, EPA, or any other authority as a carcinogen.

MUTAGENICITY

Component Data: Aluminum Sulfate (10043-01-3), investigated as a mutagen.

REPRODUCTIVE/DEVELOPMENTAL TOXICITY

No available data for product.

SECTION 12: ECOLOGICAL INFORMATION**GENERAL COMMENT**

No available data for product.

AQUATIC TOXICITY

Component Data: Sulfuric Acid (7664-93-9) Slightly to moderately toxic.
96 hour LC₅₀ – Bluegill sunfish: 10.5 ppm
48 hour TLm – Flounder: 100-300 ppm

SECTION 13: DISPOSAL CONSIDERATIONS**SPILL RESIDUES**

Processing, use or contamination of this product may change the waste management options. All disposals of this material must be done in accordance with Federal, state and local regulations. Waste characterization and compliance with disposal regulations are the responsibilities of the waste generator.

SECTION 14: TRANSPORT INFORMATION

THIS MATERIAL IS HAZARDOUS AS DEFINED BY 49 CFR 172.01 BY THE U.S DEPARTMENT OF TRANSPORTATION.

DOT IDENTIFICATION NO.: UN 1760

DOT SHIPPING DESCRIPTION (49 CFR 172.101): Corrosive liquid, N.O.S (Contains Aluminum Sulfate)

PACKAGING GROUP: III

PLACARD REQUIRED: Corrosive, 1760, Class 8

LABEL REQUIRED: Corrosive, Class 8

Label as required by EPA and by OSHA Hazard Communication Standard, and any applicable state and local regulations.

EMERGENCY RESPONSE GUIDE NUMBER: 154

**MATERIAL SAFETY DATA SHEET – Acid Alum****SECTION 15: REGULATORY INFORMATION****U S FEDERAL REGULATIONS****CERCLA REPORTABLE QUANTITY (RQ)**

Ingredient	CAS NO.	RQ
Aluminum Sulfate	10043-01-3 (anhydrous)	5,000 lbs.
Sulfuric Acid	7664-93-9	1,000 lbs.

TSCA (TOXIC SUBSTANCES CONTROL ACT)

All components of this product are listed on the TSCA Inventory or are exempt from TSCA Inventory requirements.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) TITLE III**SARA SECTION 302 (EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 302.4):**

Ingredient	CAS NO.	RQ
Sulfuric Acid	7664-93-9	1,000 lbs.

SARA SECTION 311/312 HAZARD CATEGORIES (40 CFR 370.2):

Fire Hazard	No
Reactivity Hazard	No
Release of Pressure	No
Acute Health Hazard	Yes
Chronic Health Hazard	No

SARA SECTION 313 (40 CFR 372.65):

Components identified with an asterisk (*) in Section 2 are subject to the reporting requirements of Section 313 of Title III of the 1986 Superfund Amendments and Reauthorization Act (SARA) and 40 CFR Part 372.

INTERNATIONAL REGULATIONS**CANADA****CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA)**

This product, or its components, are listed on or are exempt from the Canadian Domestic Substance List (DSL).

SECTION 16: OTHER INFORMATION

NFPA RATINGS	
HEALTH	3
FLAMMABILITY	0
INSTABILITY	0

HMIS CODES	
HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PROTECTION	C

RATING NOTES

Hazardous Materials Identification: 4 = Severe, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal.



MATERIAL SAFETY DATA SHEET – Acid Alum

Emergency Information:

Call toll free 24 hours a day: 713-636-3189

For Any Other Information Contact:

ALTIVIA, Technical Marketing, 1100 Louisiana, Suite 3160, Houston, TX 77002.

Phone: 713-658-9000

8 AM – 5 PM CST, Monday through Friday

Revisions

9/27/2004: This MSDS conforms to ANSI Standard Z400.1-1998.

12/21/2004: Update to DOT shipping name.

12/13/2005: Update to Emergency Response telephone number. Minor edits.

Disclaimer of Warranty:

The information provided in this Material Safety Data Sheet has been obtained from sources believed to be reliable. ALTIVIA provides no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein. This information is offered for your information, consideration, and investigation. You should satisfy yourself that you have all current data relevant to your particular use. ALTIVIA knows of no medical condition, other than those noted on this material safety data sheet, which are generally recognized as being aggravated by exposure to this product.

17-25000 gals

120 foot

150 foot

Ray Dodson
713-628-2499

~~Washburn~~ Washburn
Earl G Brian

2300 Federal Rd
Houston TX 77015

ray.dodson.96@yahoo.com

3000
Packless Industries



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/22/2008

Dear Mike McCauly

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # -3000

Expiration Date 9/22/2010

Generator: Packless Industries
Address: 8401 Imperial Drive
Waco, TX 76702

Waste Information

Name of Waste: Recyclable oily water

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Oily water from metal fabrication facility

Color: light brown

Odor: oily

pH: 6

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

Shannon

SECTION 1: Generator Information

Company: Texas Copper Division of Packless Industries
Address: 8401 Imperial Drive
City: Waco State: TX Zip: 76712
Contact: Chris Milnes Title: Plant Manager
Phone Number: (254) 666-7700 Ex 252 Fax Number: (254) 666-7893
24/hr Phone Number: (254) 666-7700
US EPA ID No: N/A
State ID No: TXCESQG(2051) SIC Code: 3585

SECTION 2: Billing Information - ☐ Same as Above

Company: Packless Industries
Address: PO Box 20668
City: Waco State: TX Zip: 76702
Contact: Don Hull Title: Purchaser
Phone Number: (254) 666-7700 Fax Number: (254) 666-7893

SECTION 3: General Description of the Waste

Name of Waste: Recycleable Oily Water

Detailed Description of Process Generating Waste

Oily water from metal fabrication facility

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Light Brown Odor: Oil Water

Specific Gravity (water=1): 0.98 Density: 8 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☐ Monthly ☒ Yearly ☐ One-Time

Quantity: 3000 gal

☐ Yes ☒ No

If “Yes”, Is it:

☐ D003 (Reactive)

☐ D009

☐ D011

☐ Yes☒ No☐ Yes☒ No

~~TXCESQ205I~~

Recycle

Non RCRA/Non DOT Regulated Material

N/A

UN/NA:

N/A

PG :

N/A

RQ:

Flash Point	pH		Reactive Sulfides		Reactive Cyanides		Solids	
> 200 F	6		N/A <u>mg/l</u>		N/A <u>mg/l</u>		0-2	%
Oil & Grease	TOC		Zinc		Copper		Nickel	
1275 <u>mg/l</u>	0	<u>mg/l</u>	.43	<u>mg/l</u>	.440	<u>mg/l</u>	.645	<u>mg/l</u>

SECTION 4: Physical and Chemical Data

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. CES Report

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

Oxidizer

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	<u>X</u>
TCLP Volatiles:	<u>X</u>
TCLP Semi-Volatiles:	<u>X</u>
Reactivity:	<u>X</u>
Corrosivity:	<u>X</u>
Ignitability:	<u>X</u>

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?

☒ YES ☐ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☒ Used oils
- ☒ Oil-water emulsions or mixtures
- ☒ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☒ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: [Signature]

Date: 9/18/2007

Printed Name/Title: C.H. MILNES PLANT MGR TEXAS COPPER DIVISION OF PACIFIC INDUSTRIES

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [Signature]

Date: 9-22-08

☒ Approved

☐ Rejected

Approval Number: _____



**CES Environmental
Services, Inc.**

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

\$0.15/gallon, transportation \$770.00 + Current FSC

2. Contamination Limit (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

pH, TOC, Metals, Phenols, flash, % solids, chlorinated

5. Treatment and Handling Protocol:

Recovered black oil ; water to WWTP

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

To: Shannon Ward
Cc: Matt Bowman, Gary Peterson, Prabhaker,
Matt Moser, Joe Camp

Date: 09/22/08

From: Miles Root

Lab Memo: 08-161

Subject: **Packless/Texas Cooper Evaluation 0908-42**

A sample of oily waste water from Packless/Texas Cooper has been evaluated for potential processing at CES. This sample is evaluation 0908-42. Texas Cooper is a sister company of Packless, a current supplier to CES. This sample represents a stream of approximately 3000 gallons/month of oily water containing some hydraulic oils produced from a metal forming process for high Cu and Ni alloy tubes. We would expect this water to be higher than typical in these two metals. Overall, this stream looks good for CES.

The water and oil are easily separated with heat and a little acid. The chlor-d-tect on the oil is 400 mg/L, an acceptable value. The metals treat out of the water with our standard treat and are very acceptable. The treated water has no phenols or TOC. We should pursue the acquisition of this stream. The table below summarizes the analytical testing on this sample.

Packless/Texas Cooper	
Evaluation 0908-42	
pH	6
Phenols, ppm	0
TOC, mg/L	0
Oil, vol%	12
Chlor-d-tect, mg/L	400
Treatability	OK
Metals, ppm	
Cd	0.127
Cu	0.440
Ni	0.645
Zn	0.430

COPY FOR CGS ENVIRONMENTAL SERVICES OF
PREVIOUS PROFILE SAMPLED JULY 2004.

TS3M C494

VIEW REPORT

2007-07-24 P7
09.05.47

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SEARCH STRING:

8XXXX-RXXXX PREQUALIFICATION EVALUATION PAGE 1 OF 6

OIL RECOVERY SERVICE COMPLETED: 07/24/07

OIL SERVICES COLLECTION REVISED:

RUN: 07/24/07

SKVS APPROVED

CONTROL #: 2350461-6

BRANCH/SUBMITTER: 604903

LAB #: 2350461-6

WACO TX

PROFILE REF #: 3373112

GENERATOR INFORMATION: CUSTOMER NUMBER: 0002-95-8473

TEXAS COPPER WORKS

8401 IMPERIAL DR

~~MIKE MCCAULEY~~ CHRIS MILNES.

WACO TX 76712

ATTN: CHRIS MILNES

\$\$0141I FIRST PAGE OF REPORT

PF1=HELP, PF2=PREV, PF3=EXIT, PF5=REFSH, PF7=BWD, PF8=FWD, PF10=PREV RPT

PF11=NEXT RPT, PF19=TOP, PF20=BOTM, PF21=PREV PAGE, PF22=NEXT PAGE

TS3M C494

VIEW REPORT

2007-07-24 P7

09.05.46

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SEARCH STRING:

BRANCH: 604903 - WACO TX

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*          SSSSS K K V      V SSSSS
*          S      K K  V      V S
*          SSSSS K      V V SSSSS
*          S K K      V V      S
*          SSSSSS K K      V SSSSSS
*
*          A      PPPPP PPPPP RRRRR OOO V      V EEEEE DDDD
*          A A      P      P P      P R      R O O V      V E      D D
*          A A      PPPPP PPPPP RRRRR O O V      V EEE      D D
*          AAAAAA P      P      R R      O O V V      E      D D

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PF1=HELP, PF2=PREV, PF3=EXIT, PF5=RF5H, PF7=BWD, PF8=FWD, PF10=PREV RPT
 PF11=NEXT RPT, PF19=TOP, PF20=BOTM, PF21=PREV PAGE, PF22=NEXT PAGE

TS3M C494

VIEW REPORT

2007-07-24 P7

09.05.45

PRINT: VIEW REPORT USING PF KEY(S) OR TYPE SEARCH STRING, PRESS ENTER

SEARCH STRING:

* A A P P R R OOO V EEEEE DDDD *

A. GENERATOR INFORMATION:

GENERATOR NAME & FACILITY ADDRESS: BILLING COMPANY & ADDRESS:

TEXAS COPPER WORKS

TEXAS COPPER WORKS

8401 IMPERIAL DR

PO BOX 20668

~~MIKE MCCAULEY~~ CHRIS MILLS.

WACO TX 76702

WACO TX 76712

PHONE: 254-666-7700

S.I.C.: 3585

STATUS: CESQG US EPA ID:

TXCESQG

STATE ID: TX CESQG

B. SHIPPING INFORMATION: DOT ASSISTANCE REQUESTED

PF1=HELP, PF2=PREV, PF3=EXIT, PF5=RF5H, PF7=BWD, PF8=FWD, PF10=PREV RPT

PF11=NEXT RPT, PF19=TOP, PF20=BOTM, PF21=PREV PAGE, PF22=NEXT PAGE

TS3M C494

VIEW REPORT

2007-07-24 P7

09.05.43

PRINT: _ VIEW REPORT USING PF KEY(S) OR TYPE SEARCH STRING, PRESS ENTER

SEARCH STRING: _

BULK SHIPPING CONTAINERS

TANK

QTY/SIZE: 1/3000

FREQ: 26 WEEKS

*** SKVS APPROVED

CONTINUED ON NEXT PAGE

8XXXX-RXXXX

PREQUALIFICATION EVALUATION

PAGE 2 OF 6

OIL RECOVERY SERVICE

COMPLETED: 07/24/07

OIL SERVICES COLLECTION

REVISED:

RUN: 07/24/07

SKVS APPROVED

CONTROL #: 2350461-6

BRANCH/SUBMITTER: 604903

LAB #: 2350461-6

WACO TX

PROFILE REF #: 3373112

C. GENERAL MATERIAL & REGULATORY INFORMATION:

NAME OF MATERIAL: OIL, WATER

PF1=HELP, PF2=PREV, PF3=EXIT, PF5=RFSH, PF7=BWD, PF8=FWD, PF10=PREV RPT

PF11=NEXT RPT, PF19=TOP, PF20=BOTM, PF21=PREV PAGE, PF22=NEXT PAGE

TS3M C494

VIEW REPORT

2007-07-24 P7

09.05.42

PRINT: VIEW REPORT USING PF KEY(S) OR TYPE SEARCH STRING, PRESS ENTER

SEARCH STRING:

PROCESS DESCRIPTION: PLANT MAINTENANCE

ODOR: NONE

YES NO

X REGULATED OR LICENSED RADIOACTIVE WASTE

X REGULATED MEDICAL / INFECTIOUS WASTE

X WASTE SUBJECT TO BENZENE NESHAP REGULATIONS

X TSCA REGULATED PCB WASTE

X REGULATED OZONE DEPLETING SUBSTANCE

X CERCLA REGULATED (SUPERFUND) WASTE

X WASTE CONTAINS UHC'S/CONSTITUENTS OF CONCERN (CESQG)

X UHC IN SECTION D

X EXEMPT WASTE; IF YES, LIST REFERENCE 40 CFR

X STATE HAZARDOUS WASTE

X ARTESIA MS: DIOXIN-LISTED WASTE W/F020-F023 OR F02

X EPA HAZARDOUS WASTE

STATE WASTE CODES: TX CESQ2051

CTRY: USA

EPA WASTE CODES: NONE

PF1=HELP, PF2=PREV, PF3=EXIT, PF5=RF5H, PF7=BWD, PF8=FWD, PF10=PREV RPT

PF11=NEXT RPT, PF19=TOP, PF20=BOTM, PF21=PREV PAGE, PF22=NEXT PAGE

TS3M C494

VIEW REPORT

2007-07-24 P7

09.05.41

PRINT: VIEW REPORT USING PF KEY(S) OR TYPE SEARCH STRING, PRESS ENTER

SEARCH STRING:

*** SKVS APPROVED	CONTINUED ON NEXT PAGE
8XXXX-RXXXX	PREQUALIFICATION EVALUATION
OIL RECOVERY SERVICE	PAGE 3 OF 6
OIL SERVICES COLLECTION	COMPLETED: 07/24/07
	REVISED:
	RUN: 07/24/07

SKVS APPROVED	CONTROL #:	2350461-6
BRANCH/SUBMITTER: 604903	LAB #:	2350461-6
WACO TX	PROFILE REF #:	3373112

D. MATERIAL COMPOSITION: ANALYTICAL	RMP COMPOUND DENOTED WITH #
1. CHEMICAL/PHYSICAL CONSTITUENTS:	
NO VOLATILE ORGANICS DETECTED (<0.1% EACH	.00 WT%
NO VOLATILE ORGANICS DETECTED (<0.1% EACH	.00 WT%

PF1=HELP, PF2=PREV, PF3=EXIT, PF5=RFSH, PF7=BWD, PF8=FWD, PF10=PREV RPT
PF11=NEXT RPT, PF19=TOP, PF20=BOTM, PF21=PREV PAGE, PF22=NEXT PAGE

TS3M C494

VIEW REPORT

2007-07-24 P7
09.05.39

PRINT: VIEW REPORT USING PF KEY(S) OR TYPE SEARCH STRING, PRESS ENTER
SEARCH STRING:

* NO TARGET HALOGENATED SOLVENTS DETECTED

PHENOLS	<	50.00	PPM
---------	---	-------	-----

RESIDUE		10.00	WT%
---------	--	-------	-----

RESIDUE DESCRIPTION: OIL

WATER CONTENT		90.00	WT%
---------------	--	-------	-----

2. ELEMENTAL CONSTITUENTS:

WASTE CONTAINS NO DETECTABLE ELEMENTS/METALS

THE FOLLOWING VALUES ASSOCIATED WITH THE "<" ARE NON-DETECTED. THE VALUE LISTED IS THE REPORTING LIMIT.

ALUMINUM		18.00	MG/KG
ANTIMONY	<	3.60	MG/KG

PF1=HELP, PF2=PREV, PF3=EXIT, PF5=RFSH, PF7=BWD, PF8=FWD, PF10=PREV RPT
PF11=NEXT RPT, PF19=TOP, PF20=BOTM, PF21=PREV PAGE, PF22=NEXT PAGE

TS3M C494

VIEW REPORT

2007-07-24 P7
09.05.38

PRINT: VIEW REPORT USING PF KEY(S) OR TYPE SEARCH STRING, PRESS ENTER

SEARCH STRING:

ARSENIC (D004)	<	2.40	MG/KG
BARIUM (D005)	<	4.70	MG/KG
BERYLLIUM	<	.059	MG/KG
CADMIUM (D006)	<	.24	MG/KG
CHROMIUM (D007)		1.30	MG/KG
COBALT	<	.71	MG/KG
COPPER		220.00	MG/KG
IRON		200.00	MG/KG
LEAD (D008)		8.00	MG/KG
MAGNESIUM		15.00	MG/KG
MANGANESE		6.70	MG/KG
MERCURY (D009)	<	2.40	MG/KG
NICKEL		11.00	MG/KG
PHOSPHORUS		52.00	MG/KG
SELENIUM (D010)	<	4.70	MG/KG
SILICON		71.00	MG/KG
SILVER (D011)	<	.24	MG/KG

PF1=HELP, PF2=PREV, PF3=EXIT, PF5=RF5H, PF7=BWD, PF8=FWD, PF10=PREV RPT
PF11=NEXT RPT, PF19=TOP, PF20=BOTM, PF21=PREV PAGE, PF22=NEXT PAGE

TS3M C494

VIEW REPORT

2007-07-24 P7

09.05.37

PRINT: VIEW REPORT USING PF KEY(S) OR TYPE SEARCH STRING, PRESS ENTER

SEARCH STRING:

THALLIUM	<	7.10	MG/KG
TITANIUM	<	.47	MG/KG
VANADIUM	<	.47	MG/KG
ZINC		64.00	MG/KG

*** SKVS APPROVED

CONTINUED ON NEXT PAGE

8XXXX-RXXXX

PREQUALIFICATION EVALUATION

PAGE 4 OF 6

OIL RECOVERY SERVICE

COMPLETED: 07/24/07

OIL SERVICES COLLECTION

REVISED:

RUN: 07/24/07

SKVS APPROVED

CONTROL #: 2350461-6

BRANCH/SUBMITTER: 604903

LAB #: 2350461-6

WACO TX

PROFILE REF #: 3373112

PF1=HELP, PF2=PREV, PF3=EXIT, PF5=RFSH, PF7=BWD, PF8=FWD, PF10=PREV RPT
PF11=NEXT RPT, PF19=TOP, PF20=BOTM, PF21=PREV PAGE, PF22=NEXT PAGE

TS3M C494

VIEW REPORT

2007-07-24 P7
09.05.35

PRINT: VIEW REPORT USING PF KEY(S) OR TYPE SEARCH STRING, PRESS ENTER

SEARCH STRING:

E. REACTIVE CHARACTERISTICS: WASTE EXHIBITS NO REACTIVE CHARACTERISTICS

YES NO

X EXPLOSIVE

X SHOCK SENSITIVE

X WATER REACTIVE

X AIR REACTIVE

X REACTIVE CYANIDE .00

X REACTIVE SULFIDE .00

X POLYMERIZABLE

F. MATERIAL PHYSICAL CHARACTERISTICS @ 70F:

OF PHASES 1.0

LIQUID % 100.0

VISCOSITY 240

DENSITY 0.98

NO FLASH AT 200.0 F

PF1=HELP, PF2=PREV, PF3=EXIT, PF5=REFSH, PF7=BWD, PF8=FWD, PF10=PREV RPT
PF11=NEXT RPT, PF19=TOP, PF20=BOTM, PF21=PREV PAGE, PF22=NEXT PAGE

TS3M C494

VIEW REPORT

2007-07-24 P7
09.05.34

PRINT: VIEW REPORT USING PF KEY(S) OR TYPE SEARCH STRING, PRESS ENTER

SEARCH STRING:

ASH % < 1.0 WT%

PH LIQUIDS >20% H2O

PH 7.0

BTU'S / LB. OR RANGE 1670.0 BTU/LB

COMMENTS: FLAMMABILITY AT 200 F: NO FLASH NON-VOLATILE RESIDUE

AT 200 C: 1.8 WT.% BULK DENSITY: 0.98 KF FOR ORGANIC

PHASE=41.23%, AQUEOUS PHASE=96.83% CAUSTIC

COAGULATION: PASS

*** SKVS APPROVED

CONTINUED ON NEXT PAGE

8XXXX-RXXXX

PREQUALIFICATION EVALUATION

PAGE 5 OF 6

OIL RECOVERY SERVICE

COMPLETED: 07/24/07

OIL SERVICES COLLECTION

REVISED:

RUN: 07/24/07

SKVS APPROVED

PF1=HELP, PF2=PREV, PF3=EXIT, PF5=RFSH, PF7=BWD, PF8=FWD, PF10=PREV RPT
PF11=NEXT RPT, PF19=TOP, PF20=BOTM, PF21=PREV PAGE, PF22=NEXT PAGE

TS3M C494

VIEW REPORT

2007-07-24 P7
09.05.33

PRINT: VIEW REPORT USING PF KEY(S) OR TYPE SEARCH STRING, PRESS ENTER

SEARCH STRING:

	CONTROL #:	2350461-6
BRANCH/SUBMITTER: 604903	LAB #:	2350461-6
WACO TX	PROFILE REF #:	3373112

CORPORATE REVIEW:

DISPOSITION: SKVS APPROVED	SALES PART: 0876570	SKVS LIQUIDS 55G
TECHNOLOGY DISPOSITION CODE: WWVL SKVS LIQUIDS		
REVIEW DATE: 07/19/2007	REVIEWERS: AW	

APPROVED FACILITIES:

FED EPA#: *****
STATE EPA#: *****
TELEPHONE: *****
STATE AUTH: *****

PF1=HELP, PF2=PREV, PF3=EXIT, PF5=RF5H, PF7=BWD, PF8=FWD, PF10=PREV RPT
PF11=NEXT RPT, PF19=TOP, PF20=BOTM, PF21=PREV PAGE, PF22=NEXT PAGE

TS3M C494

VIEW REPORT

2007-07-24 P7

09.05.31

PRINT: VIEW REPORT USING PF KEY(S) OR TYPE SEARCH STRING, PRESS ENTER
SEARCH STRING:

APPROVED DOT - SHIPPING DESCRIPTION

0005776 DRUM OR BULK OILY WATER
(NOT USDOT OR USEPA HAZARDOUS MATERIAL)

STATE/PROV. CODES: TX CESQ2051

US EPA WASTE CODES: NONE

USA

REVIEW COMMENTS:

*

* THIS WASTE IS BEING SHIPPED UNDER THE OIL EXEMPTION FOUND IN 40 CFR 279 AND
* MUST BE RECYCLED.

*

* OK FOR SK VACUUM SERVICES. THIS WASTE MUST GO TO A SITE PERMITTED TO
* PROCESS 279 EXEMPT USED OIL.

PF1=HELP, PF2=PREV, PF3=EXIT, PF5=REFSH, PF7=BWD, PF8=FWD, PF10=PREV RPT
PF11=NEXT RPT, PF19=TOP, PF20=BOTM, PF21=PREV PAGE, PF22=NEXT PAGE

TS3M C494

VIEW REPORT

2007-07-24 P7

09.05.29

PRINT: VIEW REPORT USING PF KEY(S) OR TYPE SEARCH STRING, PRESS ENTER

SEARCH STRING: _____

*

* DISPOSAL TECHNOLOGY: SAFETY-KLEEN LIQUID VACUUM SERVICES.

THIS SERVES AS NOTICE PER FEDERAL AND STATE REGULATIONS THAT EACH FACILITY
NOTED ABOVE HAS THE APPROPRIATE PERMITS, CAPABILITIES, CAPACITY; AND IS
WILLING TO ACCEPT THE MATERIAL AS DESCRIBED IN THE APPROVAL SECTION.
IT IS THE RESPONSIBILITY OF THE GENERATOR TO NOTIFY SAFETY-KLEEN CORP. OF
ANY CHANGES IN THE PROCESS GENERATING THIS WASTE STREAM.

*** SKVS APPROVED

CONTINUED ON NEXT PAGE

8XXXX-RXXXX

PREQUALIFICATION EVALUATION

PAGE 6 OF 6

OIL RECOVERY SERVICE

COMPLETED: 07/24/07

OIL SERVICES COLLECTION

REVISED:

RUN: 07/24/07

SKVS APPROVED

PF1=HELP, PF2=PREV, PF3=EXIT, PF5=RF5H, PF7=BWD, PF8=FWD, PF10=PREV RPT

PF11=NEXT RPT, PF19=TOP, PF20=BOTM, PF21=PREV PAGE, PF22=NEXT PAGE

TS3M C494

VIEW REPORT

2007-07-24 P7

09.05.23

PRINT: VIEW REPORT USING PF KEY(S) OR TYPE SEARCH STRING, PRESS ENTER

SEARCH STRING:

	CONTROL #:	2350461-6
BRANCH/SUBMITTER: 604903	LAB #:	2350461-6
WACO TX	PROFILE REF #:	3373112

ADDITIONAL ANALYTICAL

RESULT DESCRIPTION/ELEMENT	RESULT
CENTRIFUGE	90.0 VOL%
	10.0 VOL%
PCB	NONE
PCB AMOUNT	
OTHER	< 1.0 MG/KG
WATER CONTENT	90.0 WT%

THE ANALYSIS CONTAINED HEREIN ARE PERFORMED SOLELY FOR THE PURPOSE OF

PF1=HELP, PF2=PREV, PF3=EXIT, PF5=RF5H, PF7=BWD, PF8=FWD, PF10=PREV RPT
PF11=NEXT RPT, PF19=TOP, PF20=BOTM, PF21=PREV PAGE, PF22=NEXT PAGE

TS3M C494

VIEW REPORT

2007-07-24 P7

09.00.14

PRINT: VIEW REPORT USING PF KEY(S) OR TYPE SEARCH STRING, PRESS ENTER

SEARCH STRING:

QUALIFYING THE ANALYZED MATERIALS FOR ACCEPTANCE BY SAFETY-KLEEN CORP. IN
ACCORDANCE WITH ITS PERMITS AND PROCESSING CAPABILITIES.

NOTICE OF LAND DISPOSAL RESTRICTION OF WASTE IS NOT REQUIRED.

*** SKVS APPROVED

END OF DOCUMENT

\$\$\$0026I LAST SCREEN OF INFORMATION

PF1=HELP, PF2=PREV, PF3=EXIT, PF5=RFSH, PF7=BWD, PF8=FWD, PF10=PREV RPT

PF11=NEXT RPT, PF19=TOP, PF20=BOTM, PF21=PREV PAGE, PF22=NEXT PAGE



TESTING LABORATORY IDENTIFICATION & INFORMATION:

CHAIN of CUSTODY RECORD

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Main Number: (713) 676-1460
Fax Number: (713) 676-1676

Test Results Reporting

CES Environmental Services, Inc.
Main Number: (713) 676-1460
Fax Number: (713) 676-1676

Project Name	Sample Name		Comments/Special Instructions:		
<i>Texas Copper Sampling</i>	<i>Texas Copper Sample</i>		Turnaround Time Required:		
Contact:			DATE and/or Number of Days: _____		
SAMPLER:		OTHER INFORMATION:			
PRINT: _____		<i>Grab sample from Texas Copper. Write down the tank that the sample was taken from.</i>			
SIGN: _____					
Type and Number of Containers (CIRCLE):		SAMPLE NAME/ID ('s): <i>TCW 2 waste pit/Tank</i>			
Glass 1 2 3		CES Sample LOG BK Number ('s): _____			
Grab 4 5 6 Other: _____					
Requested Analysis : <i>SAMPLE Taken from tank #1: TCW Tanks (only have 1 at TCW)</i> <input type="checkbox"/>					
<input type="checkbox"/>					
1. Relinquished By:	Date:	Time: →	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time: →	4. Received By:	Date:	Time:
5. Relinquished By:	Date:	Time: →	6. Received By:	Date:	Time:



JOB INFORMATION PROFILE

Trailer # 260**Job Description :**[illegible]

Site Contact: Mike McCauly @ 254-666-7700

Please take at least 40ft of hose.

Vacuum out Wastewater as directed

****CALL Chris Milnes @ 254-666-7700 x 225 ****

You need to obtain or Pull a sample of w/w from their sister company behind Packless called Texas Copper. *they have to give me piece paper with the*

Bring back to CES & Check into processing facility. Give sample to lab & let Jenny Rust or Shannon Ward know that the sample is in the lab.

ID #: 72253

CUSTOMER INFORMATION

OPERATION HOURS:

[illegible]**SHIPPING/RECEIVING CONTACT:**

Name: Don Hull

Number: (254) 666-7700

AFTER HOURS CONTACT:

Name: _____ **Same**
Number: _____

RECEIVING INFORMATION

OPERATION HOURS:

Open :	
Close:	

SHIPPING/RECEIVING CONTACT:

Name:	CES
Number:	

AFTER HOURS CONTACT:

Name:
Number:

PURCHASE ORDER NUMBER REQUIRED:

☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED:

☒ YES ☐ NO

IF YES, WHAT?	Standard
----------------------	----------

CAN CUSTOMER LOAD US :

☐ YES ☒ NO

ROPPER PUMP:

☐ YES ☒ NO

HACSC REQUIRED:

☐ YES ☒ NO

IF YES, WHAT?

WASHOUT ANTICIPATED:

☐ YES ☒ NO

BOX LINER REQUIRED

☐ YES ☒ NO

300Z

AmTex Machine Products, Inc



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **9/23/2008**

Dear **Fred Leach**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # -3002

Expiration Date 9/23/2010

Generator: AMTEX Machine Products, Inc.

Address: 4517 Brittmoore Road
Houston, TX 77041

Waste Information

Name of Waste: Nonhazardous paint

TCEQ Waste Code #: CESQ2092

Container Type:

Detailed Description of Process Generating Waste:

Nonhazardous latex paint left over from painting office

Color: varies

Odor: none

pH: neutral

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

GP

DC

There will be surcharges if the
pallet contains a lot of small
containers that need to be
opened & dumped into a
sludge box.



4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

morgan

SECTION 1: Generator Information

Company: Amtex Machine Products
Address: 4517 Brittmore Rd.
City: Houston State: TX Zip: 77041
Contact: Fred Leach Title: _____
Phone Number: 281-224-8121 Fax Number: 713-896-6363
24/hr Phone Number: 713-748-9804
US EPA ID No: CESQG
State ID No: CESQ SIC Code: na

SECTION 2: Billing Information - ☒ **Same as Above**

Company: _____
Address: _____
City: _____ State: _____ Zip: _____
Contact: _____ Title: _____
Phone Number: _____ Fax Number: _____

SECTION 3: General Description of the Waste

Name of Waste: Non hazardous Paint
Detailed Description of Process Generating Waste: nonhazardous latex paint left over from
Painting office

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: varies Odor: none

Specific Gravity (water=1): 1.02 Density: 8.34-9 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain)

Frequency: ☒ Weekly ☐ Monthly ☐ Yearly ☐ One-Time

Quantity: 10

☐ Yes ☒ No

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
 characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009
☐ D010 ☐ D011

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☒ No

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

Texas State Waste Code Number:

CEST02092

Non-RCRA, Non-DOT regulated material

Class:	na	UN/NA:	na	PG :	na	RQ:	na
---------------	----	---------------	----	-------------	----	------------	----

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
>150		neutral		0 <u>mg/l</u>		0 <u>mg/l</u>		0-50 %	
Oil & Grease		TOC		Zinc		Copper		Nickel	
0	<u>mg/l</u>	na	<u>mg/l</u>	0	<u>mg/l</u>	0	<u>mg/l</u>	0	<u>mg/l</u>

[illegible]

FROM

SEP-19-2008 12:19

CES Environmental Service

(FRI) SEP. 19 2008 14:22/ST. 14:20/No. 6823202875 P 4
713 676 1676 R.04**SECTION 5: Safety Related Data**

If the handling of this waste requires the use of special protective equipment, please explain.
standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. MSDS

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):
none

SECTION 8: Generator's Knowledge Documentation

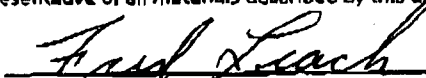
Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.
I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:



Date:

9/18/2008

Printed Name/Title:

Fred Leach

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer:



Date:

9-23-08

☒ Approved☐ Rejected

Approval Number:

3002

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge?

☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

\$85.00/pallet plus freight

2. Contamination Limit (maximum limit before surcharges apply):

None, If the pallet contains a lot of small Containers that need to be opened and dumped into a sledge box then extra surcharges will apply.

3. Surcharge Pricing:

None

4. Special Testing Requirements:

None

5. Treatment and Handling Protocol:

Put in class 2 Box - may need to shred

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

NA

8. Management for Product Recovered/Recycled (if applicable)

NA



MATERIAL SAFETY DATA SHEET

prepared 08/29/07

HAZARDS IDENTIFICATION (ANSI Section 3)

Primary route(s) of exposure : Inhalation, skin contact, eye contact, ingestion.

Effects of overexposure :

Inhalation : Irritation of respiratory tract. Prolonged inhalation may lead to dizziness and/or lightheadedness, headache, nausea, chest pain, coughing, difficulty of breathing, severe lung irritation or damage, pneumoconiosis.

Skin contact : Irritation of skin. Prolonged or repeated contact can cause dermatitis.

Eye contact : Irritation of eyes.

Ingestion : Ingestion may cause lung inflammation and damage due to aspiration of material into lungs, mouth and throat irritation, nausea, vomiting, diarrhea, gastro-intestinal disturbances.

Medical conditions aggravated by exposure : Eye, skin, respiratory disorders, asthma-like conditions.

FIRST-AID MEASURES

(ANSI Section 4)

Inhalation : Remove to fresh air. Restore and support continued breathing. Get emergency medical attention. Have trained person give oxygen if necessary. Get medical help for any breathing difficulty. Remove to fresh air if inhalation causes eye watering, headaches, dizziness, or other discomfort.

Skin contact : Wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin. Repeated applications may be needed. Remove contaminated clothing. Wash contaminated clothing before re-use.

Eye contact : Flush immediately with large amounts of water, especially under lids for at least 15 minutes. If irritation or other effects persist, obtain medical treatment.

Ingestion : If swallowed, obtain medical treatment immediately.

FIRE-FIGHTING MEASURES

(ANSI Section 5)

Fire extinguishing media : Dry chemical or foam water fog. Carbon dioxide. Closed containers may burst if exposed to extreme heat or fire.

Fire fighting procedures : Water may be used to cool and protect exposed containers. Firefighters should use full protective clothing, eye protection, and self-contained breathing apparatus.

Hazardous decomposition or combustion products : Carbon monoxide, carbon dioxide, acrylic monomers.

ACCIDENTAL RELEASE MEASURES

(ANSI Section 6)

Steps to be taken in case material is released or spilled : Comply with all applicable health and environmental regulations. Ventilate area. Spills may be collected with absorbent materials. Place collected material in proper container. Spilled material is extremely slippery. Complete personal protective equipment must be used during cleanup. Large spills - shut off leak if safe to do so. Dike and contain spill. Pump to storage or salvage vessels. Use absorbent to pick up excess residue. Keep salvageable material and rinse water out of sewers and water courses. Small spills - use absorbent to pick up residue and dispose of properly.

HANDLING AND STORAGE

(ANSI Section 7)

Handling and storage : Store below 100f (38c). Keep from freezing.

Other precautions : Use only with adequate ventilation. Do not take internally. Keep out of reach of children. Avoid contact with skin and eyes, and breathing of vapors. Wash hands thoroughly after handling, especially before eating or smoking. Keep containers tightly closed and upright when not in use. Avoid conditions which result in formation of inhalable particles such as spraying or abrading

(sanding) painted surfaces. If such conditions cannot be avoided, use appropriate respiratory protection as directed under exposure controls/personal protection.

EXPOSURE CONTROLS/PERSONAL PROTECTION (ANSI Section 8)

Respiratory protection : Control environmental concentrations below applicable exposure standards when using this material. When respiratory protection is determined to be necessary, use a NIOSH/MSHA (Canadian z94.4) Approved elastomeric sealing- surface facepiece respirator outfitted with organic vapor cartridges and paint spray (dust/mist) prefilters. Determine the proper level of protection by conducting appropriate air monitoring. Consult 29CFR1910.134 For selection of respirators (Canadian z94.4).

Ventilation : Provide dilution ventilation or local exhaust to prevent build-up of vapors.

Personal protective equipment : Eye wash, safety shower, safety glasses or goggles. Impervious gloves, impervious clothing.

STABILITY AND REACTIVITY

(ANSI Section 10)

Under normal conditions : Stable see section 5 fire fighting measures

Materials to avoid : Oxidizers.

Conditions to avoid : Elevated temperatures, freezing.

Hazardous polymerization : Will not occur

TOXICOLOGICAL INFORMATION

(ANSI Section 11)

Supplemental health information : No additional effects are anticipated

Carcinogenicity : Contains crystalline silica which is considered a hazard by inhalation. IARC has classified crystalline silica as carcinogenic to humans (group 1). Crystalline silica is also a known cause of silicosis, a noncancerous lung disease. The national toxicology program (NTP) has classified crystalline silica as a known human carcinogen. In a lifetime inhalation study, exposure to 250 mg/m³ titanium dioxide resulted in the development of lung tumors in rats. These tumors occurred only at dust levels that overwhelmed the animals' lung clearance mechanisms and were different from common human lung tumors in both type and location. The relevance of these findings to humans is unknown but questionable. The international agency for research on cancer (IARC) has classified titanium dioxide as possibly carcinogenic to humans (group 2b) based on inadequate evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.

Reproductive effects : No reproductive effects are anticipated

Mutagenicity : No mutagenic effects are anticipated

Teratogenicity : No teratogenic effects are anticipated

ECOLOGICAL INFORMATION

(ANSI Section 12)

No ecological testing has been done by ICI paints on this product as a whole.

DISPOSAL CONSIDERATIONS

(ANSI Section 13)

Waste disposal : Dispose in accordance with all applicable regulations. Avoid discharge to natural waters.

REGULATORY INFORMATION

(ANSI Section 15)

As of the date of this MSDS, all of the components in this product are listed (or are otherwise exempt from listing) on the TSCA inventory. This product has been classified in accordance with the hazard

The information contained herein is based on data available at the time of preparation of this data sheet which ICI Paints believes to be reliable. However, no warranty is expressed or implied regarding the accuracy of this data. ICI Paints shall not be responsible for the use of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and the health and safety of your employees and the users of this material. Complies with OSHA hazard communication standard 29CFR1910.1200.

ICI Paints North America

15885 Sprague Road Strongsville, Ohio 44136

EMERGENCY TELEPHONE NO. (800) 545-2643

EVERMORE EXTERIOR LATEX SATIN

EM69XX

EPAHC0110002018

criteria of the CPR (controlled products regulations) and the MSDS contains all the information required by the CPR.

Physical Data

(ANSI Sections 1, 9, and 14)

Product Code	Description	Wt. / Gal.	VOC gr. / ltr.	% Volatile by Volume	Flash Point	Boiling Range	HMIS	DOT, proper shipping name
EM6911	glidden evermore exterior 100% acrylic latex satin-pure white (base 1)	10.25	44.99	64.12	none	212-212	310	paint ** protect from freezing **
EM6912	glidden evermore exterior 100% acrylic latex satin-base 2	9.40	47.97	68.22	none	212-212	310	paint ** protect from freezing **
EM6913	glidden evermore exterior 100% acrylic latex satin-base 3	9.35	49.00	69.10	none	212-212	*310	paint ** protect from freezing **
EM6924	glidden evermore exterior 100% acrylic latex satin-white	10.14	45.41	64.43	none	212-212	310	paint ** protect from freezing **

Ingredients

Product Codes with % by Weight (ANSI Section 2)

Chemical Name	Common Name	CAS. No.	EM6911	EM6912	EM6913	EM6924
titanium oxide	titanium dioxide	13463-67-7	10-20	1-5		10-20
cristobalite	crystalline silica, cristobalite	14464-46-1			.1-1.0	
2-propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate	acrylic polymer	25852-37-3		20-30		
nepheline syenite	feldspar-type minerals	37244-96-5	1-5	10-20	10-20	5-10
ceramic materials and wares, chemicals	calcined kaolin clay	66402-68-4	1-5			1-5
kieselguhr, soda ash flux-calcined	silica, diatomaceous earth	68855-54-9			.1-1.0	
water	water	7732-18-5	50-60	50-60	50-60	50-60
acrylic resin	acrylic resin	Sup. Conf.	10-20		20-30	10-20
defoamer, oil-based	oil based defoamer	Sup. Conf.		1-5		

Chemical Hazard Data

(ANSI Sections 2, 8, 11, and 15)

Common Name	CAS. No.	ACGIH-TLV				OSHA-PEL				S.R. Std.	S2	S3	CC					
		8-Hour TWA	STEL	C	S	8-Hour TWA	STEL	C	S					H	M	N	I	O
titanium dioxide	13463-67-7	10 mg/m3	not est.	not est.	not est.	10 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	y	y	n
crystalline silica, cristobalite	14464-46-1	.025 mg/m3	not est.	not est.	not est.	0.05 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	y	y	n
feldspar-type minerals	37244-96-5	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
calcined kaolin clay	66402-68-4	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
silica, diatomaceous earth	68855-54-9	10 mg/m3	not est.	not est.	not est.	6 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
oil based defoamer	Sup. Conf.	5 mg/m3	not est.	not est.	not est.	5 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n

Footnotes:

C=Ceiling - Concentration that should not be exceeded, even instantaneously.

S=Skin - Additional exposure, over and above airborne exposure, may result from skin absorption.

n/a=not applicable
not est.=not established
CC=CERCLA Chemical

ppm=parts per million
mg/m3=milligrams per cubic meter
Sup Conf=Supplier Confidential

S2=Sara Section 302 EHS
S3=Sara Section 313 Chemical
S.R.Std.=Supplier Recommended Standard

H=Hazardous Air Pollutant, M=Marine Pollutant
P=Pollutant, S=Severe Pollutant
Carcinogenicity Listed By:
N=NTP, I=IARC, O=OSHA, y=yes, n=no

3003

Manufacturing Packaging Products

FE
8-4-09
T-35
LAB



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/24/2008

Dear Marcia Folmsbee

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # -3003

Expiration Date 9/24/2010

Generator: Manufacturing Packaging Products

Address: 10000 W Sam Houston Pkwy N
Houston, TX 77064

Waste Information

Name of Waste: Nonhazardous waster filter press solids

TCEQ Waste Code #: CESQ3912

Container Type:

Detailed Description of Process Generating Waste:

Filter press solids from the treatment of a wastewater treatment system from a packaging manufacturer.

Color: varies

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

level d ppe

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110002022

DB



CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Material Producer Information

Company: Manufacturing Packaging Products
Address: 10000 W Sam Houston Pkwy N
City, State, Zip: Houston, TX 77064
Contact: Marcia Folmsbee Title: Management
Phone No: 713-329-5678 Fax No: 281-894-6671
24/hr Phone: 281-894-6671 281-517-8422
U.S. EPA LD. No: TXCESQG
State LD. CESQG SIC Code: _____

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Material / Product

Name of Material / Product: Non-Hazardous Waste Filter Press Solids
Detailed Description of Process Generating or Producing the Material / Product: Filter press solids from the treatment of a waste water treatment system from a packaging manufacturer.

Physical State: ☐ Liquid ☒ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: Varies Odor: None

Specific Gravity (water=1): 1.13 Density: 9.10 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 Gal

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 1-20 Other: _____

Proper U.S. DOT Shipping Name: Non-RCRA Waste Filter Cake Solids

Class: Na UN/NA: Na PG: Na RQ: Na

Flash Point >200	pH Na	N/A	N/A	Solids 100%
Oil & Grease <150mg/l	TOC Nmg/l	Zinc Nmg/l	Copper Nmg/l	Nickel Nmg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Filter Cake Solids	100	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.

Level D PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

Analysis

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

None

SECTION 8: Material Producer's Certification

The information contained herein is based on ☐ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Joe Bramwell

Date: _____

9-23-8

Printed Name/Title: _____

JOE BRAMWELL

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Technical Manager: _____

Robert J. Thiel

Date: 9-24-08

Approved

Rejected

Approval Number: _____

3003



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

\$33/dm
Plus Trans \$70/hr plus FSC

2. Contamination Limits (maximum limit before surcharges apply):

Non compliance with profile

3. Surcharge Pricing:

NA

4. Special Testing Requirements:

None

5. Treatment and Handling Protocol:

Class 2 Solids to Landfill

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

Na

8. Management for Product Recovered/Recycled (if applicable):

Na



LABORATORY TEST RESULTS

Job ID : 08080719

Date 9/4/2008

Client Name: MPP-Houston

Attn: Marcia Folmsbee

Project Name:

Client Sample ID: Filter Cake

Job Sample ID: 08080719.01

Date Collected: 08/22/08

Sample Matrix: Solid

Time Collected:

Other Information:

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 6010C	TCLP Metals								
	Antimony	BRL	mg/L	1	0.1	1		08/26/08 21:37	SS
	Arsenic	BRL	mg/L	1	0.1	1.8		08/26/08 21:37	SS
	Barium	0.137	mg/L	1	0.1	100.0		08/26/08 21:37	SS
	Beryllium	BRL	mg/L	1	0.08	0.08		08/26/08 21:37	SS
	Cadmium	BRL	mg/L	1	0.1	0.5		08/26/08 21:37	SS
	Chromium	BRL	mg/L	1	0.1	5.0		08/26/08 21:37	SS
	Lead	BRL	mg/L	1	0.1	1.5		08/26/08 21:37	SS
	Nickel	BRL	mg/L	1	0.1	70		08/26/08 21:37	SS
	Selenium	BRL	mg/L	1	0.5	1.0		08/26/08 21:37	SS
	Silver	BRL	mg/L	1	0.1	5.0		08/26/08 21:37	SS
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	1	0.002	0.2		08/29/08 23:55	BS
TX 1005	Total Petroleum Hydrocarbons								
	C6-C12	59.4	mg/Kg	1	12.7			08/25/08 17:15	WS
	>C12-C28	384	mg/Kg	1	18.2			08/25/08 17:15	WS
	>C28-C35	117	mg/Kg	1	19.6			08/25/08 17:15	WS
	Total C6-C35	560.4	mg/Kg	1				08/25/08 17:15	WS
	1-Chlorooctane(surr)	N/A	%	1	50-149		S5	08/25/08 17:15	WS
	Chlorooctadecane(surr)	N/A	%	1	50-149		S5	08/25/08 17:15	WS

QUALITY CONTROL CERTIFICATE



Job ID : 08080719

Date : 9/4/2008

Analysis : TCLP Metals Method : SW-846 6010C Reporting Units : mg/L

QC Batch ID : Qb08082639 Created Date : 08/26/08 Created By : Ssrinivasan

Samples in This QC Batch : 08080719.01

Digestion : PB08082620 Prep Method : SW-846 3010A Prep Date : 08/26/08 10:00 Prep By : Ssrinivasan
TCLP Prep : PB08082528 Prep Method : SW-846 1311 Prep Date : 08/25/08 17:30 Prep By : Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Antimony	7440-36-0	BRL	mg/L	1	0.1	
Arsenic	7440-38-2	BRL	mg/L	1	0.1	
Barium	7440-39-3	BRL	mg/L	1	0.1	
Beryllium	7440-41-7	BRL	mg/L	1	0.08	
Cadmium	7440-43-9	BRL	mg/L	1	0.1	
Chromium	7440-47-3	BRL	mg/L	1	0.1	
Lead	7439-92-1	BRL	mg/L	1	0.1	
Nickel	7440-02-0	BRL	mg/L	1	0.1	
Selenium	7782-49-2	BRL	mg/L	1	0.5	
Silver	7440-22-4	BRL	mg/L	1	0.1	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Antimony	2	2.00	100	2	2.04	102	1.98	20	80-120	
Arsenic	2	2.02	101	2	2.07	104	2.44	20	80-120	
Barium	2	1.87	93.5	2	1.88	94	0.53	20	80-120	
Beryllium	2	1.96	98	2	1.97	98.5	0.50	20	80-120	
Cadmium	2	1.96	98	2	1.99	99.5	1.52	20	80-120	
Chromium	2	1.91	95.5	2	1.93	96.5	1.04	20	80-120	
Lead	2	1.96	98	2	1.98	99	1.02	20	80-120	
Nickel	2	1.90	95	2	1.93	96.5	1.57	20	80-120	
Selenium	2	2.06	103	2	2.11	106	2.40	20	80-120	
Silver	2	1.99	99.5	2	2.02	101	1.50	20	80-120	

QC Type: MS and MSD

QC Sample ID: 08080497.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Antimony	BRL	2	2.05	103						70-130	
Arsenic	BRL	2	2.09	105						45-138	
Barium	0.250	2	2.13	94						39-135	
Beryllium	BRL	2	2.01	101						70-130	
Cadmium	BRL	2	2.01	100						56-125	
Chromium	BRL	2	1.95	97.3						52-125	
Lead	BRL	2	2.03	99.4						55-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE



Job ID : 08080719

Date : 9/4/2008

Analysis : TCLP Metals

Method : SW-846 6010C

Reporting Units : mg/L

QC Batch ID : Qb08082639

Created Date : 08/26/08

Created By : Ssrinivasan

Samples in This QC Batch : 08080719.01

QC Type: MS and MSD

QC Sample ID: 08080497.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Nickel	BRL	2	1.93	96.5						70-130	
Selenium	BRL	2	2.14	107						18-137	
Silver	BRL	2	2.06	103						26-148	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE



Job ID : 08080719

Date : 9/4/2008

Analysis : Total Petroleum Hydrocarbons

Method : TX 1005

Reporting Units : mg/Kg

QC Batch ID : Qb08082822 Created Date : 08/28/08

Created By : Dshen

Samples in This QC Batch : 08080719.01

Sample Preparation : PB08082820

Prep Method : TX 1005

Prep Date : 08/25/08 16:00 Prep By : Dshen

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
C6-C12		BRL	mg/Kg	1	12.7	
>C12-C28		BRL	mg/Kg	1	18.2	
>C28-C35		BRL	mg/Kg	1	19.6	
Total C6-C35		BRL	mg/Kg	1		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
C6-C12	500	546	109	500	537	107	1.66	20	75-125	
>C12-C28	500	600	120	500	566	113	5.83	20	75-125	
>C28-C35	500	552	110	500	513	103	7.32	20	75-125	

QC Type: MS and MSD

QC Sample ID: 08080723.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
C6-C12	BRL	500	573	112	500	599	117	4.53	20	75-125	
>C12-C28	BRL	500	534	105	500	494	97.4	7.89	20	75-125	
>C28-C35	27.2	500	469	88.4	500	532	101	13.3	20	75-125	

Refer to the Definition page for terms.

ΕΡΑΗΟ110002031



Sample Condition Checklist

Date : 09/04/08

A&B JobID : 08080719		Date Received : 08/22/2008		Time Received : 3:35PM								
Client Name : MPP-Houston												
Temperature : 23.1°C		Sample pH : N/A										
	Check Points				Yes	No						
1.	Cooler seal present and signed.				N/A							
2.	Sample(s) in a cooler.				X							
3.	If yes, ice in cooler.					X						
4.	Sample(s) received with chain-of-custody.				X							
5.	C-O-C signed and dated.					X						
6.	Sample(s) received with signed sample custody seal.				N/A							
7.	Sample containers arrived intact. (If no comment).				X							
8.	Matrix	Water	Soil	Liquid	Sludge	Solid	Cassette	Tube	Bulk	Badge	Food	Other
		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	Sample(s) were received in appropriate container(s).				X							
10.	Sample(s) were received with proper preservative											
11.	All samples were logged or labeled.				X							
12.	Sample ID labels match C-O-C ID's				X							
13.	Bottle count on C-O-C matches bottles found.				X							
14.	Sample volume is sufficient for analyses requested.				X							
15.	Samples were received within the hold time.				X							
16.	VOA vials completely filled.				N/A							
17.	Sample accepted.				X							
Comments : Include actions taken to resolve discrepancies/problem:												
Sample was received in a cooler without ice. C.O.C. does not have the analyses section filled out. Per Sample Kit Request Form, TPH 1005 and TCLP 11 Metals analyses is needed. Also C.O.C. is not signed or dated.												

Received by : Mperalta		Check in by/date : Mperalta / 08/22/2008	
------------------------	--	--	--

Phone : 713-453-6060

www.ablabs.com

Laboratory Analysis Report

Total Number of Pages: 9

Job ID : 08080719



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6080, fax: 713-453-6091, <http://www.ablabs.com>

Client Project Name :

Report To : Client Name: MPP-Houston P.O.#.:
Attn: Marcia Folmsbee Sample Collected By:
Client Address: 10000 W Sam Houston Pkwy North Date Collected: 08/22/08
City, State, Zip: Houston, Texas, 77064

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
Filter Cake	Solid	08080719.01

Sonia West

Released By: Sonia West
Title: Senior Project Manager
Date: 9/4/2008



This Laboratory is NELAP (T104704213-08-TX) accredited. Effective: 07/01/2008; Expires: 06/03/2009

Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client.

Date Received : 08/22/2008 15:35

LABORATORY TERM AND QUALIFIER DEFINITION REPORT



Job ID : 08080719

Date: 9/4/2008

General Term Definition

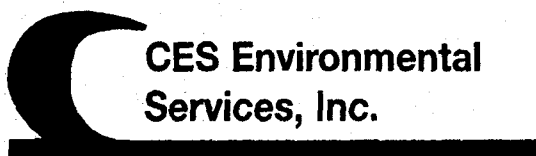
Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight		

Qualifier Definition

S5 Target compounds caused elevation of baseline. Surrogate not calculated

2962

wilson



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 8/27/2008

Dear Jesse Lopez

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2962

Expiration Date 8/27/2010

Generator: Wilson

Address: 1302 Conti
Houston, TX 77002

Waste Information

Name of Waste: RCRA empty fiberglass tank with oil, lead residue

TCEQ Waste Code #: 30124061

Container Type: tank

Detailed Description of Process Generating Waste:

Damaged empty fiberglass tank with oil with lead residue

Color: off white

Odor: none

pH: neutral

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

GRP



GB

4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator Information

Company: Wilson
Address: 1302 Conti Street
City: Houston State: TX Zip: 77002
Contact: Tyra Blackshear Title: _____
Phone Number: 281.233.5346 Fax Number: 281.233.5982
24/hr Phone Number: 281.233.5346
US EPA ID No: TXD981913817
State ID No: _____ SIC Code: _____

SECTION 2: Billing Information - ☒ **Same as Above**

Company: _____
Address: _____
City: _____ State: _____ Zip: _____
Contact: _____ Title: _____
Phone Number: _____ Fax Number: _____

SECTION 3: General Description of the Waste

Name of Waste: RCRA empty fiberglass tank with oil, lead residue
Detailed Description of Process Generating Waste: _____

Damaged empty fiberglass tank with oil with lead residue

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: off white Odor: none

Specific Gravity (water=1): na Density: na lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain)

Frequency: ☐ Weekly ☐ Monthly ☐ Yearly ☒ One-Time

Quantity: 1

☐ Yes ☒ No

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
 Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009
☐ D010 ☐ D011

☐ Yes ☒ No

☐ Yes ☒ No

30124061

Non RCRA non DOT regulated material

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
>200		neutral		0 <u>mg/l</u>		0 <u>mg/l</u>		100	%
Oil & Grease		TOC		Zinc		Copper		Nickel	
1%	<u>mg/l</u>	na	<u>mg/l</u>	na	<u>mg/l</u>	na	<u>mg/l</u>	na	<u>mg/l</u>

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

None known

JA

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	<u> x </u>
TCLP Volatiles:	<u> x </u>
TCLP Semi-Volatiles:	<u> x </u>
Reactivity:	<u> x </u>
Corrosivity:	<u> x </u>
Ignitability:	<u> x </u>

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?

☐ YES

☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
- Cadmium: 0.2 mg/L
 - Chromium: 8.9 mg/L
 - Copper: 4.9 mg/L
 - Nickel: 37.5 mg/L
- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
- ☐ Metals Subcategory
 - ☐ Oils Subcategory
 - ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Date: _____

☒ Approved

☐ Rejected

Approval Number: _____



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

~~Base~~ 40000 Trans 70⁰⁰ MVTFSC

2. Contamination Limit (maximum limit before surcharges apply):

NA

3. Surcharge Pricing:

NA

4. Special Testing Requirements:

NA

5. Treatment and Handling Protocol:

shred/cut/dispose
or clean/Reuse
Solids if removed may carry the RCRA lead code. Solids must be handled appropriately.

6. Treated Wastewater Discharge Subcategory:

- ☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--

2963

wilson



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 8/29/2008

Dear Jesse Lopez

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2963

Expiration Date 8/29/2010

Producer: Wilson
Address: 1302 Conti
Houston, TX 77002

Material / Product Information

Name of Material / Product Aerosol cans - Paint, break cleaner, stainless steel cl
Container Type: box

Detailed Description of Process Generating or Producing the Material / Product:

Unused out of spec product

Color: various Odor: none (sealed cans) pH: neutral

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level C

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

GRP
Use OK'd by maintenance.



**CES Environmental
Services, Inc.**

GB

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Material Producer Information

Company: Wilson
Address: 1302 Conti Street
City, State, Zip: Houston, Texas 77002
Contact: Jesse Lopez Title: _____
Phone No: 713.237.3700 Fax No: (713) 237-3422
24/hr Phone: 713.237.3700
U.S. EPA I.D. No: TXD981913817
State I.D. 74212 SIC Code: NA

SECTION 2: Billing Information – ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Material / Product

Name of Material / Product: Aerosol Cans- Paint, break cleaner, stainless steel cleaner (flammable propellant)
Detailed Description of Process Generating or Producing the Material / Product: Unused out of spec product

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Various Odor: none (sealed cans)

Specific Gravity (water=1): 1.2 Density: 9 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain)
Container Size: _____ boxes

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly

Number of Units (containers): 3 Other: one time

Proper U.S. DOT Shipping Name: Product
Aerosols, flammable, 2.1, UN1950

Class: 2.1 UN/NA: UN1950 PG: na RQ: na

Flash Point <140	pH neutral	N/A	N/A	Solids 0%
Oil & Grease >1500mg/l	TOC >1500mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Aerosol Cans - Paint	20-40 60 0-50 10-15	%
Aerosol Cans- Break Cleaner	20-40 60 0-50 20-100	%
Aerosol Cans - Stainless	20-40 60 20-100	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
Level C

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.
none

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
oxidizers

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u>Robert Chang</u>	
Date: <u>8-29-08</u>	<input checked="" type="radio"/> Approved <input type="radio"/> Rejected
Approval Number: <u>2963</u>	



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. **Base Pricing (including freight):**

50⁰⁰ / BOX Trans 75⁰⁰ / M⁰⁰ + FETC

2. **Contamination Limits (maximum limit before surcharges apply):**

3. **Surcharge Pricing:**

4. **Special Testing Requirements:**

5. **Treatment and Handling Protocol:**

6. **Treated Wastewater Discharge Subcategory:**

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

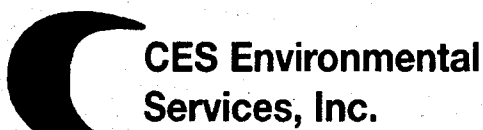
7. Tests for Product Recovered/Recycled (if applicable):

8. Management for Product Recovered/Recycled (if applicable):

Operations has ok'd use of this material.
Maintenance

2964

Wilson



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 8/29/2008

Dear Jesse Lopez

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2964

Expiration Date 8/29/2010

Generator: Wilson

Address: 1302 Conti
Houston, TX 77002

Waste Information

Name of Waste: Nonhazardous water and oil based paint

TCEQ Waste Code #: 30132091

Container Type: sac in a tote

Detailed Description of Process Generating Waste:

out of date no longer used material - packed as a commodity pack

Color: various

Odor: latex like

pH: neutral

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level c

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

GLP
Need PFI



**CES Environmental
Services, Inc.**

AJ

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Wilson
Address: 1302 Conti
City, State, Zip: Houston, TX 77002
Contact: Jesse Lopez Title: HSE Mgr.
Phone No: 713-237-3700 Fax No: 713-237-3422
24/hr Phone: CES-713-417-5737
U.S. EPA I.D. No: TXD981913817
State I.D. 74212 SIC Code: _____

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Waste

Name of Waste: Non-Hazardous Water and Oil Based Paint

Detailed Description of Process Generating Waste: Out of Date No Longer Used Material-Packed as a commodity Pack

Physical State: ☒ Liquid ☒ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: Various

Odor: Latex Like

Specific Gravity (water=1): 1.2

Density: 9 lbs/gal

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain)
Container Size: _____ Sack in a Tote

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly

Number of Units (containers): 1

Other: _____

Texas State Waste Code No: 30132091

Proper U.S. DOT Shipping Name: Non-RCRA; Non-DOT Regulated Material

Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point <u>>140°F</u>	pH <u>neutral</u>	Reactive Sulfides <u>0mg/l</u>	Reactive Cyanides <u>0mg/l</u>	Solids <u>60-90%</u>
Oil & Grease <u>>1500mg/l</u>	TOC <u>>1500mg/l</u>	Zinc <u>0mg/l</u>	Copper <u>0mg/l</u>	Nickel <u>0mg/l</u>

\$100⁰⁰/tote
Trans 70⁰⁰/hr
+ FSC

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Water/Oil Based Paint	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level C

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

oxidizers

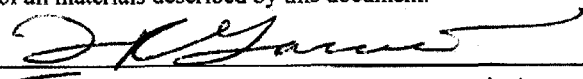
SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:


TCLP Metals: ☒
TCLP Volatiles: ☒
TCLP Semi-Volatiles: ☒
Reactivity: ☒
Corrosivity: ☒
Ignitability: ☒

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:  Date: 8-29-08
Printed Name/Title: Tyra R Garacci Facility HSE Specialist

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer:  Additional Information: _____
Date: 8-29-08 ☒ Approved ☐ Rejected _____
Approval Number: 2964 _____

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



	Home	Help	Contact Us	Logout			
Facility	Contacts	Billing	Wastes	Units	WRS	APF	AWS

STEERS

11:46

View Waste Code with Submitted Changes**Facility SWR #: 74212 Data current as of: 08/11/2008**

Please print this page.

This page confirms your submittal to the TCEQ.

Your confirmation number is 54617-517C6249914DC5052B198CDB8E79184F

You will also receive a confirmation e-mail.

Texas Waste Code: 30132091**Company Waste Description:** NON-HAZARDOUS PAINT**Origin Code:** 7 - From a corrective action or closure**New Chemical Substance:** N**Management Location:** 2 - Off-site**Management Units:***Recent changes to your cross references will be reflected here. To view your copy of record, please search the [submit log](#).**Status:** ACTIVE**Recycled:** N**Description:** Non-hazardous paint waste from expired and damaged product**This record has been submitted to the TCEQ. No additional changes can be made to this waste code information until these changes appear in the official TCEQ data on this web site.**[List Wastes](#)



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

\$ 100 tote
TRANS 70⁰⁰/hr + FSC

2. Contamination Limit (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

5. Treatment and Handling Protocol:

CLASS I Sludge Box

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--



MATERIAL SAFETY DATA SHEET

SECTION 4 – FIRST AID MEASURES

- Eye contact:** Flush eyes with clean water for 15 minutes. Seek medical attention.
- Skin contact:** Thoroughly wash with soap and warm water before the coating dries. Thoroughly wash all contaminated clothing. If irritation persists, seek medical attention.
- Inhalation:** If irritation occurs, remove to fresh air and seek medical attention if cough or other symptoms develop.
- Ingestion:** Do not induce vomiting. Seek medical attention.
- Note to Physician:** Treat symptomatically. This material is basically non-toxic. A small quantity (approximately one tablespoon) is unlikely to cause harm.

SECTION 5 – FIRE FIGHTING MEASURES

- Flash Point (method):** N/D (est. >200°F)
- Extinguishing Media:** Use water spray, foam, or carbon dioxide when fighting fires involving this material.
- Protection of Firefighters:** As in any fire, wear NIOSH approved self-contained breathing apparatus pressure-demand and full protective gear.
- Fire and Explosion Hazards:** Material will not burn.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Slippery: can cause slips and falls if walked on.
- Clean Up Methods:** Contain spill with sand or other diking material. Soak up small spills with absorbent material. Dispose of in accordance with federal, state, and local regulations.
- (See also Section 8 for information on Exposure Controls and Personal Protective Equipment.)



MATERIAL SAFETY DATA SHEET

NA: Not Applicable N/D: Not Determined N/E: Not Established N/R: Not Required Est.: Estimated
Modern Masters®, Incorporated, 13201 Satcoy Street, North Hollywood, California 91605 818-765-2915
MSDS Code: DP-601 Decorative Painter's Crackle Base MSDS (4/4/2003) Page 3 of 10 pages

EPAHO110002059



MATERIAL SAFETY DATA SHEET

SECTION 7 – HANDLING AND STORAGE

Handling: Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash hands after use with soap and warm water.

Storage: **DO NOT ALLOW PRODUCT TO FREEZE.** Keep container tightly closed when not in use. Do not reuse container and properly dispose after use.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: If necessary, use general room dilution ventilation, process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Personal Protective Equipment (PPE):

Eye Protection: Eye contact should be avoided. Where eye contact is likely, wear chemical splash goggles and/or full-face shield.

Skin Protection: Wear gloves to prevent prolonged skin contact.

Respiratory Protection: None needed under normally anticipated use conditions. If vapor levels exceed allowable limits, wear a NIOSH approved air-purifying respirator with an organic vapor cartridge.

General Hygiene Practices: Avoid eye and skin contact. Avoid breathing vapors. Wash hands with soap and warm water before eating, drinking, or using the toilet.



MATERIAL SAFETY DATA SHEET

SECTION 9 – PHYSICAL DATA

Appearance:	Translucent white flowable liquid	Odor:	Mild odor
Physical State:	Liquid	pH:	7 to 11
Boiling Point:	Above 200°F	Melting Point:	<32°F
Vapor Pressure:	N/D	Vapor Density:	N/D
Odor Threshold:	N/D	Viscosity:	50 to 1000
Solubility in Water:	Dilutable in water	Specific Gravity (water = 1):	0.9 to 1.2
Material VOC:	Material, less water, contains less than 10 grams per liter Volatile Organic Compounds.		

SECTION 10 – STABILITY AND REACTIVITY

Stability:	Stable, non-reactive	Incompatibility:	Strong acids or strong alkalis
Hazardous Polymerization:	Will not occur		
Hazardous Decomposition Products:	None known		

SECTION 11 – TOXICOLOGICAL INFORMATION

Carcinogenicity: This material is not considered a carcinogen by IARC or NTP and is not regulated as a carcinogen by OSHA.

(See also Section 15 for related information.)



MATERIAL SAFETY DATA SHEET

SECTION 12 – ECOLOGICAL INFORMATION

Chemical Fate and Effects: No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Recommended Waste Disposal Method: This material is not considered hazardous waste under Federal Hazardous Waste Regulations (40CFR 261). However, state and local requirements for waste disposal may be more restrictive or otherwise differ from federal regulations. Chemical additions, processing, or otherwise altering this material may render the waste management information presented in this MSDS incomplete, inaccurate, or otherwise inappropriate. Consult all applicable federal, state, and local regulations regarding the proper disposal of this material.

SECTION 14 – TRANSPORTATION INFORMATION

Regulated by the DOT: Not regulated

DOT Proper Shipping Name: Paint



MATERIAL SAFETY DATA SHEET

SECTION 15 – REGULATORY INFORMATION

CERCLA:

The Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification to the National Response Center for releases of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4 (for CERCLA 102).

Components present in this product at a level which could require reporting under the statute are:

<u>Chemical Name</u>	<u>CAS #</u>	<u>Maximum Concentration (Wt. %)</u>
none	N/A	N/A

SARA Title III, section 311/312:

The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311, and 312).

Components present in this product at a level which could require reporting under the statute are:

<u>Chemical Name</u>	<u>CAS #</u>	<u>Maximum Concentration (Wt. %)</u>
none	N/A	N/A

SARA Title III, section 313:

The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313).

Components present in this product at a level which could require reporting under the statute are:

<u>Chemical Name</u>	<u>CAS #</u>	<u>Maximum Concentration (Wt. %)</u>
none		

TSCA:

NA: Not Applicable N/D: Not Determined N/E: Not Established N/R: Not Required Est.: Estimated
Modern Masters®, Incorporated, 13201 Satcoy Street, North Hollywood, California 91605 818-765-2915
MSDS Code: DP-601 Decorative Painter's Crackle Base MSDS (4/4/2003) Page 7 of 10 pages



MATERIAL SAFETY DATA SHEET

The components of this mixture are listed in the Toxic Substance Control Act Inventory of Chemical Substances.

This product does not contain any chemicals that would require export notification under Section 12(b) of the TSCA regulation.



MATERIAL SAFETY DATA SHEET

SECTION 16 – OTHER INFORMATION

Legend: **N/A:** Not Applicable **N/D:** Not Determined
 N/E: Not Established **N/R:** Not Required
 STEL: Short Term Exposure Limit **C:** Ceiling Value
 cps: Centipoise **mg/m³:** milligrams per cubic centimeter
 PPM: Parts Per Million **PPB:** Parts Per Billion
 PEL: Permissible Exposure Limit **TLV:** Time Weighted Average
 mppcf: million particles per cubic foot of air
 ACGIH: American Conference of Governmental Industrial Hygienists
 CPSC: Consumer Product Safety Commission
 DOT: US Department of Transportation
 FHSA: Federal Hazardous Substance Act
 OSHA: Occupational Safety and Health Administration (US Dept. of Labor)
 RCRA: Resource Conservation and Recovery Act
 SARA: Superfund Amendment and Reauthorization Act
 TSCA: Toxic Substance Control Act

HMIS Key

4 = Severe Hazard
3 = Serious Hazard
2 = Moderate Hazard
1 = Slight Hazard
0 = Minimal Hazard

Prepared by: Modern Masters Regulatory Compliance Manager,
 Technical Management Department
 7340 Greenbush Avenue, North Hollywood, California 91605 (818) 765-2915

Disclaimer: Modern Masters, Inc. believes, to the best of its knowledge, information, and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials and make no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this



MATERIAL SAFETY DATA SHEET

information and data to comply with all applicable international, federal, state, and local laws and regulations.

MATERIAL SAFETY DATA SHEET

August 9, 2004

SECTION I

MANUFACTURER'S NAME: GRAHAM PAINT & VARNISH CO.
STREET ADDRESS: 4100 W 76TH STREET - UNIT G
CITY, STATE, ZIP CODE: CHICAGO, IL 60652
EMERGENCY PHONE NUMBER: 800/424-9300
INFORMATION PHONE NUMBER: 800/255-2628
PRODUCT CODE: 225-SERIES
PRODUCT NAME: PRO FINISH ACRYLIC LATEX FLAT HOUSE PAINT
PRODUCT CLASS: PAINT, WATER BASED

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS	WEIGHT PERCENT	TLV PPM	TLV mg/M3	LEL	VAP/PRES MM HG @ 20°C
ETHYLENE GLYCOL (CAS #107-21-1)*	1-5	50.		3.2	.10

*ON SARA 313 TOXIC CHEMICAL LIST

SECTION III - PHYSICAL DATA

BOILING RANGE: 212-400 DEGREES F
VAPOR DENSITY: HEAVIER THAN AIR
EVAPORATION RATE: SLOWER THAN ETHER
% VOLATILE BY VOLUME: 45-80
WEIGHT PER GALLON: 8.5 - 14.0 LBS

SECTION IV - FIRE AND EXPLOSION DATA

FLAMMABILITY CLASS: NOT APPLICABLE

FLASH POINT: NOT APPLICABLE

EXTINGUISHING MEDIA: NOT APPLICABLE

UNUSUAL FIRE HAZARDS: NONE

FIRE FIGHTING PROCEDURES: CONTAINERS MAY RUPTURE WHEN EXPOSED TO EXTREME HEAT. DRIED FILMS OF THIS COATING WILL SUPPORT COMBUSTION.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: SEE SECTION II

OVEREXPOSURE ACUTE: CAN CAUSE IRRITATION OF EYES AND SKIN. SWALLOWING CAN CAUSE GASTRONOMICAL IRRITATION. BREATHING CONCENTRATED VAPORS CAN CAUSE HEADACHE OR NAUSEA.

OVEREXPOSURE CHRONIC: THE TOXICOLOGICAL PROPERTIES OF THIS PRODUCT HAVE NOT BEEN FULLY INVESTIGATED. REPEATED EXPOSURE MAY PRESENT ADDITIONAL HAZARDS.

FIRST AID PROCEDURE:

SKIN CONTACT:	WASH WITH SOAP AND WATER. USE EMOLLIENT CREAM OR LOTION
EYE CONTACT:	FLUSH EYE WITH PLENTY OF WATER. SEE PHYSICIAN
INHALATION:	PROVIDE FRESH AIR AND REST
INGESTION:	DO NOT INDUCE VOMITING. CALL PHYSICIAN

SECTION VI – REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: NONE

INCOMPATIBILITY: NONE

HAZARDOUS DECOMP. PROD.: THERMAL DECOMPOSITION MAY YIELD OXIDES OF CARBON AND NITROGEN

POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NONE

SECTION VII – SPILL OR LEAK PROCEDURES

SPILLED MATERIAL STEPS:

ABSORB ON INERT MATERIALS OR FLUSH WITH WATER

WASTE DISPOSAL METHOD:

INCINERATION OR LAND FILL IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION VIII – SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

NONE NEEDED IF GOOD VENTILATION IS MAINTAINED. IN CONFINED OR POORLY VENTILATED AREAS WHERE VAPOR CONCENTRATIONS ARE ENCOUNTERED, WEAR NIOSH/MESA APPROVED RESPIRATOR.

VENTILATION:

USE ONLY WITH ADEQUATE VENTILATION. AVOID BREATHING VAPOR AND SPRAY MIST. AVOID BREATHING SANDED OR BLASTED DUST.

PROTECTIVE GLOVES: RECOMMENDED. IMPERVIOUS TYPE.

EYE PROTECTION: RECOMMENDED. SAFETY GOGGLES WITH UNPERFORATED SIDE SHIELDS.

OTHER PROTECTIVE EQUIPMENT: AS REQUIRED TO AVOID WETTING CLOTHES.

SECTION IX – SPECIAL PRECAUTIONS

PRECAUTIONS HANDLING: SEE BELOW

DOL STORAGE CATEGORY: 3 B

OTHER PRECAUTIONS: KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT TRANSFER MATERIAL TO OTHER CONTAINERS FOR STORAGE. STORE IN A COOL AREA. KEEP OUT OF THE REACH OF CHILDREN.



MATERIAL SAFETY DATA SHEET

SECTION 1 – GENERAL INFORMATION

Manufacturer:

Modern Masters®, Inc.
13201 Saticoy Street,
North Hollywood, California 91605
818-765-2915

HMIS Rating

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

Emergency Telephone: 800-942-3166**Preparation Date:** April 4, 2003**Product Name:** Decorative Painter's "Crackle for Latex Paint" Water-based Crackle Base**Product Code:** DP-601

SECTION 2 – HAZARDOUS INGREDIENTS

Hazardous Component**CAS #****OSHA PEL****ACGIH TLV**

None

SECTION 3 – HAZARD IDENTIFICATION

Emergency Overview: This material is a clear crackle base. It is a stable, non-flammable, translucent white flowable liquid with a flash point above 200°F.

Primary Routes of Exposure:

Inhalation

Skin contact

Eye contact

Potential Acute Health Effects:

Inhalation: May cause respiratory tract irritation

Skin: Prolonged or repeated skin contact may cause irritation

Eye: May cause eye irritation

Ingestion: Not hazardous under intended use conditions

Potential Chronic Health Effects: None known

2965

Green Hunter Biofuels



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/2/2008

Dear Steve Sams

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2965

Expiration Date 9/2/2010

Generator: Green Hunter Biofuels
Address: 13605 Industrial Blvd
Houston, TX 77015

Waste Information

Name of Waste: Glycerin waste
TCEQ Waste Code #: CESQ6031

Container Type:

Detailed Description of Process Generating Waste:
Used glycerin solids generated from biodiesel production

Color: brown

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:
std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Boyman, President
CES Environmental Services, Inc.

EPAHO110002071

GHP



4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

fb

SECTION 1: Generator Information

Company: GREEN HUNTER BIOFUELS
Address: 13605 INDUSTRIAL RD
City: HOUSTON State: TX Zip: 77015
Contact: BRUCE BAUGHMAN Title: _____
Phone Number: (713) 594-9509 Fax Number: 713 450-1591
24/hr Phone Number: _____
US EPA ID No: _____
State ID No: _____ SIC Code: _____

SECTION 2: Billing Information - ☐ Same as Above

Company: Phoenix Pollution Control
Address: 4808 FAIRMONT PARKWAY BOX 4274
City: PASADENA State: TX Zip: 77505
Contact: STEVE SAMS Title: _____
Phone Number: (713) 530-4550 Fax Number: _____

SECTION 3: General Description of the Waste

Name of Waste: GLYCERIN WASTE
Detailed Description of Process Generating Waste: _____

Used Glycerin Solids generated from biological production

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☒ Combination

Color: Brown Odor: None

Specific Gravity (water=1): NA Density: NA lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☐ Monthly ☐ Yearly ☒ One-Time

Quantity: 500 Gallons

Is this a USEPA “Hazardous Waste” per 40CFR 261.3?

☐ Yes ☒ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", Is it: ☐ D001 (Ignitable)

☐ D002 (Corrosive)☐ D003 (Reactive)

Characteristic for Toxic Metals:

☐ D004

☐ D005

☐ D006

☐ D007

☐ D008

☐ D009

☐ D010

☐ D011

Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one?

☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

☐ Yes☒ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code Number:

12596031

Proper US DOT Shipping Name:

Non RCRA NOT DOT regulated material

Class: **UN/NA:**

PG :

RQ:

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
7440 200		N/A		N/A mg/l		N/A mg/l		98150 %	
Oil & Grease		TOC		Zinc		Copper		Nickel	
71500	mg/l	N/A	mg/l	N/A	mg/l	N/A	mg/l	N/A	mg/l

SECTION 4: Physical and Chemical Data

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package.

MSDS

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:

TCLP Volatiles:

TCLP Semi-Volatiles:

Reactivity:

Corrosivity:

Ignitability:

N/A

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?

☐ YES

☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
- Cadmium: 0.2 mg/L
 - Chromium: 8.9 mg/L
 - Copper: 4.9 mg/L
 - Nickel: 37.5 mg/L
- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
- ☐ Metals Subcategory
 - ☐ Oils Subcategory
 - ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: [Signature] Date: 08-25-08

Printed Name/Title: STEVE Sams / AUTH BROKER FOR GENERATOR

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: <u>[Signature]</u>	
Date: <u>9-2-08</u>	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected
Approval Number: <u>2965</u>	

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

\$165/drum + drums + fs

2. Contamination Limits (maximum limit before surcharges apply):

~~Not to be used~~

3. Surcharge Pricing:

4. Special Testing Requirements:

5. Treatment and Handling Protocol:

Class 1 Bulk

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C

7. **Tests for Product Recovered/Recycled (if applicable):**

--

8. **Management for Product Recovered/Recycled (if applicable):**


--

Title: Material Safety Data Sheet for: Glycerin

Document Number: MSDS-0020-04

Date Effective :09/24/02

Written By: J. Geils

Reviewed and Authorized By: 

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not 'Hazardous' per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

1. PRODUCT AND COMPANY IDENTIFICATION:

Glycerin

Including:	96.0% USP	96.0% USP, Kosher
	99.5% USP	99.5% USP, Kosher
	99.7% USP	99.7% USP, Kosher
Glycerin, Technical Grade		

Avatar Corporation, 500 Central Avenue, University Park, IL 60466 (708) 534-5511
Transportation emergency contact: Chem Tel (800) 255-3924.

Chemical Family: Alcohol, Aliphatic
Chemical Name: Glycerin
Synonyms: Glycerine; Glycerol; 1,2,3-Propanetriol; 1,2,3-Trihydroxypropane
Molecular Weight: 92.10
Molecular Formula: $\text{CH}_2\text{CHOHCH}_2\text{OH}$

2. COMPOSITION / INFORMATION ON INGREDIENTS:

<u>Component</u>	<u>CAS #</u>	<u>Range % by Wt.</u>
Glycerin	56-81-5	95.0 minimum,
Water		5.0 maximum,

(See Section 8, "Exposure Controls/Personal Protection", for exposure guidelines.)

3. HAZARDS IDENTIFICATION:

NFPA Code: Health-1, Flammability-1, Reactivity-0
HMIS Code: Health-1, Flammability-1, Reactivity-0

Emergency Overview: This product has been evaluated and does not require any hazard warning on the label under OSHA criteria. Low hazard for usual industrial or commercial handling by trained personnel.

Potential Health Effects:

EYE CONTACT: May cause minor transient eye irritation.

SKIN CONTACT: A single, prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

INGESTION: Single dose oral toxicity is low. Amounts ingested incidental to industrial handling are not likely to cause injury, however, ingestion of larger amounts may cause injury. Signs and symptoms of excessive exposure may be central nervous system effects and increased blood sugar levels.

INHALATION: Inhalation of mist may cause respiratory irritation.

4. FIRST AID MEASURES:

EYE: In case of eye contact, immediately flush eyes with cool water for at least 15 minutes. Do not let victim rub eyes. Obtain emergency medical information if pain, blinking, tears or redness persist.

SKIN: Wash exposed area of skin with soap and water. If skin irritation or an allergic reaction occurs, get medical attention.

INGESTION: For overexposure, call a physician or poison control center promptly.

INHALATION: Immediately remove victim to fresh air. If victim has stopped breathing, give artificial respiration, preferably by mouth-to-mouth. Get medical attention immediately.

5. FIRE FIGHTING MEASURES:

FLASH POINT: 390°F (199°C) minimum

METHOD USED: Tag Closed Cup

FLAMMABLE LIMITS:

LEL (% vol. in air): Not determined.

UEL (% vol. in air): Not determined.

AUTOIGNITION TEMPERATURE: 698°F (370°C).

FLAMMABILITY CLASSIFICATION: Slight hazard. Material must be preheated before ignition will occur (OSHA Class IIIB).

EXTINGUISHING MEDIA: Agents approved for Class B hazards (e.g., dry chemical, carbon dioxide, foam, steam) or water fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Water or foam may cause frothing when applied to flammable liquids having flash points above 212°F (100°C). This remark is included only as a precaution and does not mean that water or foam should not be used in fighting fires in such liquids. The frothing may be quite violent and could endanger the life of the firefighter, particularly when solid



streams are directed into the hot burning liquid. On the other hand, water spray carefully applied has frequently been used with success in extinguishing such fires by causing the frothing to occur only on the surface and this frothing action blankets and extinguishes the fire.

FIREFIGHTING EQUIPMENT: Firefighters should wear self-contained breathing apparatus in the positive-pressure mode with a full headpiece when there is a possibility of exposure to smoke, fumes, or hazardous combustion products.

HAZARDOUS COMBUSTION PRODUCTS: Incomplete burning can produce carbon monoxide and/or carbon dioxide and other toxic gases.

6. ACCIDENTAL RELEASE MEASURES:

Absorb spill with inert solids such as sand or soil; sweep up and dispose of in accordance with federal, state, and local regulations. For large spills, dike around spill and pump into suitable containers.

7. HANDLING AND STORAGE:

HANDLING: No special requirements.

STORAGE: Store in a cool, well-ventilated area in sealed containers. Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

EYE: Chemical splash goggles and/or face shield must be worn when possibility exists for eye contact

SKIN: Wear gloves and protective clothing which are impervious to the product for the duration of anticipated exposure if there is potential for prolonged or repeated skin contact.

INHALATION: Avoid breathing mist. If ventilation is inadequate, use NIOSH/MSHA certified respirator that will protect against dust/mist

ENGINEERING CONTROLS: Control airborne concentrations below the exposure guidelines.

EXPOSURE GUIDELINES:

Limits: PEL TWA: 10 mg/m³ (glycerin mist-total dust)

TWA: 5 mg/m³ (glycerin mist-respirable fraction)

TLV TWA: 10 mg/m³ (glycerin mist)

9. CHEMICAL AND PHYSICAL PROPERTIES:

APPEARANCE AND ODOR: Colorless, oily liquid. essentially odorless.

pH: Not determined.

VAPOR PRESSURE: < .001 mmHg @ 25°C.

VAPOR DENSITY (Air=1): 3.1

BOILING POINT: 340 °F(171 °C)

MELTING POINT: N/A

SOLUBILITY: Soluble in water

SPECIFIC GRAVITY (Water=1): >1

10. STABILITY AND REACTIVITY:

STABILITY: Generally stable.

CONDITIONS TO AVOID: Avoid excessive heat and open flames.

MATERIALS TO AVOID: Avoid chlorine, fluorine, and other strong oxidizers as well as strong acids.

HAZARDOUS DECOMPOSITION: Thermal decomposition releases corrosive fumes of Acrolein. Decomposition may result in carbon monoxide and carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION:

No definitive information available on carcinogenicity, mutagenicity, target organs, or developmental toxicity.

Acute Toxicity Data:

EYE IRRITATION: 126 mg of Glycerin applied to the eyes of rabbits in a Draize test resulted in mild irritation.

SKIN IRRITATION: Primary Irritation Index of Glycerin = 0.3. 500 mg of Glycerin applied to the skin of rabbits over a 24 hour period resulted in moderate irritation.

INHALATION: Nuisance particulates have been reported for glycerin mist.

ORAL LD₅₀: 12.6 g/Kg (Rat); 4.1 g/Kg (Mouse); 7.8 g/Kg (Guinea Pig)

DERMAL LD₅₀: 10 g/kg (Rabbit)

INHALATION LC₅₀: > 0.57 mg/l (Rabbit)

Other Toxicity Data:

Repeated excessive exposures may cause increased fat levels in blood. Observations in animals include kidney, liver, and gastrointestinal effects with very large oral doses. Did not cause cancer in long-term animal studies. Birth defects are unlikely. Exposures having no adverse effects on the mother should have no effect on the fetus. Reproductive effects seen in females are believed to be due to altered nutritional states resulting from extremely high doses in their diets. Similar effects have been seen in animals fed synthetic diets..

No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program, the U.S. Occupational Safety and Health Act, or the International Agency on Research on Cancer (IARC).

12. ECOLOGICAL INFORMATION:

No definitive information available on ecological impact if product is released to the environment.

13. DISPOSAL INFORMATION:

Disposal must be in accordance with applicable federal, state, or local regulations.

14. TRANSPORTATION INFORMATION:

U.S. Department of Transportation: Not regulated.

15. REGULATORY INFORMATION:

CERCLA Sections 102A/103 Hazardous Substances (40 CFR Part 302.4): Not reportable.

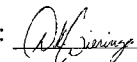
SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): Not regulated.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): None noted.

SARA Title III Section 313 (40 CFR Part 372): Not regulated.

U.S. Inventory (TSCA): Listed on inventory. All components comply with TSCA.

EPCRA 313: Not listed and does not contain any listed chemical or chemical category requiring reporting under 40 CFR 372.65



FOOD CONTACT STATUS:

FDA: This product is approved for use by the FDA under the following sections of 21 CFR:

-Part 182.1320 as Generally Recognized as Safe (GRAS) when used in accordance with the specifications of this subpart.

16. OTHER INFORMATION:

This product meets the requirements for Glycerin as described in the United States Pharmacopeia 25 (January 1, 2002)(excluding Technical Grade).

This product meets the requirements for Glycerin as described in the Food Chemicals Codex IV (July 1, 1996)(excluding Technical Grade).

Kosher Certification: This product is available with Kosher certification.

This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

2966
Post of Houston Authority



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/2/2008

Dear Roxana Herrera

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2966

Expiration Date 9/2/2010

Generator: Port of Houston Authority

Address: 111 East Loop North
Houston, TX 77029-4327

Waste Information

Name of Waste: Blue etch

TCEQ Waste Code #: CESQ2191

Container Type:

Detailed Description of Process Generating Waste:

Out of date chemical from printing operations

Color: blue

Odor: faint alcohol

pH: 5.7

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

YBP
Test flash pt. of the
flash pt is < 140 the material is
a reject.

GB

**CES Environmental
Services, Inc.**

4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator Information

Company: Port of Houston
Address: 111 East Loop North
City: Houston State: TX Zip: 77029-4327
Contact: Roxanna Herrera Title:
Phone Number: (713) 670-2814 Fax Number: (713) 670-2427
24/hr Phone Number: (713) 670-2814
US EPA ID No: TXCESQG
State ID No: CESQG SIC Code: na

SECTION 2: Billing Information - ☐ Same as Above

Company: Port of Houston
Address: P.O. Box 2562
City: Houston State: TX Zip: 77252-2562
Contact: Roxanna Herrera Title:
Phone Number: (713) 670-2814 Fax Number: (713) 670-2427

SECTION 3: General Description of the Waste

Name of Waste: Blue Etch

Detailed Description of Process Generating Waste:

Out of date chemical from printing operations

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Blue Odor: Faint Alcohol

Specific Gravity (water=1): 1.06 Density: 8.9 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para-substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain)

Frequency: ☐ Weekly ☐ Monthly ☐ Yearly ☒ One-Time

Quantity: 6

☐ Yes ☒ No

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009
☐ D010 ☐ D011

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☒ No

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☐ No

Texas State Waste Code Number: CESQ2191

Class: na **UN/NA:** na **PG :** na **RQ:** na

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
200		5.7		0 mg/l		0 mg/l		0 %	
Oil & Grease		TOC		Zinc		Copper		Nickel	
0 mg/l		0 mg/l		0 mg/l		0 mg/l		0 mg/l	

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. MSDS none

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

None known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:

TCLP Volatiles:

TCLP Semi-Volatiles:

Reactivity:

Corrosivity:

Ignitability:

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?
If "Yes", complete this section.

☒ YES

☒ NO

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
- Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L
- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
- ☐ Metals Subcategory
☐ Oils Subcategory
☒ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☒ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Roxana Herrera Date: 8-26-08

Printed Name/Title: Roxana Herrera, Program Coordinator

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: <u>Pekluh Thapa</u>	
Date: <u>9-2-08</u>	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected
Approval Number: <u>2966</u>	



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

\$65/dron
70 tons + FSC

2. Contamination Limit (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

Test for flash point & pH - If no flash point is < 140 F it is a reject.

5. Treatment and Handling Protocol:

CLASS I Box

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

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8. Management for Product Recovered/Recycled (if applicable)

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2967
Port of Houston



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/2/2008

Dear Roxana Herrera

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2967

Expiration Date 9/2/2010

Generator: Port of Houston Authority

Address: 111 East Loop North
Houston, TX 77029-4327

Waste Information

Name of Waste: RCRA empty containers

TCEQ Waste Code #: CESQ3081

Container Type:

Detailed Description of Process Generating Waste:

emptied containers from chemical storage cabinet

Color: varies

Odor: none

pH: neutral

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

2/22
No Free Liquids
Any liquids cannot be a haz pt
and must have a flash pt > 140 °F.

GB



4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator Information

Company: Port of Houston Authority
Address: 111 East Loop North
City: Houston State: TX Zip: 77029-4327
Contact: Roxanna Herrera Title:
Phone Number: (713) 670-2814 Fax Number: (713) 670-2427
24/hr Phone Number: (713) 670-2814
US EPA ID No: TXCESQG
State ID No: CESQG SIC Code: na

SECTION 2: Billing Information ☐ Same as Above

Company: Port Of Houston Authority
Address: P.O. Box 2562
City: Houston State: TX Zip: 77252-2562
Contact: Roxanna Herrera Title:
Phone Number: (713) 670-2814 Fax Number: (713) 670-2427

SECTION 3: General Description of the Waste

Name of Waste: RCRA empty containers
Detailed Description of Process Generating Waste:

Emptied containers from a chemical storage cabinet

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: Varies Odor: none

Specific Gravity (water=1): na Density: na lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☐ Monthly ☐ Yearly ☒ One-Time

Quantity: 10

☐ Yes ☒ No

If "Yes", Is it:

☐ D001 (Ignitable)

☐ D002 (Corrosive)

☐ D003: (Reactive)

☐ D004

D005

☐ D006☐ D007

☐ D008

☐ D009

DOI: 10.1002/anie

D011

Is this an "F" or "K" Listed waste or mixed with one?

☐ Yes☒ No

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

☐ Yes☒ No

Texas State Waste Code Number:

CESQ3081

Non RCRA Non DOT regulated material

Class: ná

UN/NA:

na

PG :

na

RQ:

na

SECTION 4: Physical and Chemical Data

EPAHQ110002095

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package; none

SECTION 7: Incompatibilities

Please list ALL Incompatibilities (if any):

none known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	<u>x</u>
TCLP Volatiles:	<u>x</u>
TCLP Semi-Volatiles:	<u>x</u>
Reactivity:	<u>x</u>
Corrosivity:	<u>x</u>
Ignitability:	<u>x</u>

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?

☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: 8-26-08

Printed Name/Title: _____

Roxana Herrero, Program Coordinator

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: <u>Rohini Thapa</u>	
Date: <u>9-2-08</u>	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected
Approval Number: <u>2967</u>	



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

\$65/drum or \$100/ton

2. Contamination Limit (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

The containers must contain no free liquids. Any liquids cannot have a hazardous H₁ or a flash < 140°F.

5. Treatment and Handling Protocol:

Class I Box

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--

2968

MTI Environmental



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/2/2008

Dear Troy Swearingen

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2968

Expiration Date 9/2/2010

Generator: MTI Environmental
Address: 2150 Pansy Rd
Pasadena, TX 77503

Waste Information

Name of Waste: oily pads

TCEQ Waste Code #: CESQ4891

Container Type:

Detailed Description of Process Generating Waste:

Rags, pads, abs used in the clean-up of oil

Color: varies

Odor: hydrocarbon

pH: 3-11

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110002101



4904 Griggs Road, Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

4B

SECTION 1: Generator Information

Company: MTI Environmental
Address: 2150 Pansy St
City: Pasadena State: TX Zip: 77503
Contact: Troy Swearingen Title: _____
Phone Number: (832)257-6128 Fax Number: (713) 947-1529
24/hr Phone Number: (832)257-6128
US EPA ID No: _____
State ID No: CESQG SIC Code: _____

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City: _____ State: _____ Zip: _____
Contact: _____ Title: _____
Phone Number: _____ Fax Number: _____

SECTION 3: General Description of the Waste

Name of Waste: Oily Pads
Detailed Description of Process Generating Waste: _____

Rass/ Pads/Abs used in the clean-up of oil

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: Varies Odor: hydrocarbon

Specific Gravity (water=1): no Density: 18 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☐ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☐ Monthly ☒ Yearly ☐ One-Time

Quantity: 3

Is this a USEPA "Hazardous Waste" per 40CFR 261.3?

☐ Yes ☒ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", Is it:

☐ D001 (Ignitable)

☐ D002 (Corrosive)☐ D003 (Reactive)

Characteristic for Toxic Metals:

☐ D004

☐ D005

☐ D006

☐ D007

☐ D008

☐ D009

☐ D010

D011

Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one?

☐ Yes☒ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

☐ Yes☒ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code Number:

CE50-4891

Proper US DOT Shipping Name:

Class: NA UN/NA:

112

PG :

RQ:

NA

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
7140200		3-11		N/A mg/l		N/A mg/l		100 %	
Oil & Grease		TOC		Zinc		Copper		Nickel	
21500	mg/l	N/A	mg/l	N/A	mg/l	N/A	mg/l	N/A	mg/l

SECTION 4: Physical and Chemical Data

[illegible]

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
- Cadmium: 0.2 mg/L
 - Chromium: 8.9 mg/L
 - Copper: 4.9 mg/L
 - Nickel: 37.5 mg/L
- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
- ☐ Metals Subcategory
 - ☐ Oils Subcategory
 - ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification


The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:  Date: 8-13-08

Printed Name/Title: Terry Suran E.R. Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: 
 Date: 9-2-08 ☒ Approved ☐ Rejected
 Approval Number: 2968

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

\$65/drum

2. Contamination Limits (maximum limit before surcharges apply):

CR100 test

3. Surcharge Pricing:

4. Special Testing Requirements:

~~Chloride test, Black oil Blending~~
The drums are a solid debris waste with absorbed black oil.

5. Treatment and Handling Protocol:

Class 1 Solids

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

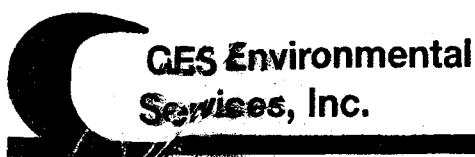
☐ Subcategory C

7. **Tests for Product Recovered/Recycled (if applicable):**

8. **Management for Product Recovered/Recycled (if applicable):**

Blend w/ Black Oil

2969
MTI Environmental



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **9/2/2008**

Dear **Troy Swearingen**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2969

Expiration Date 9/2/2010

Generator: MTI Environmental
Address: 2150 Pansy Rd
Pasadena, TX 77503

Waste Information

Name of Waste: oily waste

TCEQ Waste Code #: CESQ6091

Container Type:

Detailed Description of Process Generating Waste:

oily waste

Color: varies

Odor: hydrocarbon

pH: 3-11

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

LPP



4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

4B

SECTION 1: Generator Information

Company: MTI Environmental
Address: 2150 Pansy St
City: Pasadena State: TX Zip: 77503
Contact: Troy Swearingen Title:
Phone Number: (832)257-6128 Fax Number: (713) 947-1529
24/hr Phone Number: (832)257-6128
US EPA ID No:
State ID No: CESQG SIC Code:

SECTION 2: Billing Information - ☒ Same as Above

Company:
Address:
City: State: Zip:
Contact: Title:
Phone Number: Fax Number:

SECTION 3: General Description of the Waste

Name of Waste: Oily Waste
Detailed Description of Process Generating Waste:

X

Oily Waste

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination
Color: Varies Odor: hydrocarbon
Specific Gravity (water=1): 0.8-0.9 Density: 6.6-7.5 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☐ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☐ Monthly ☒ Yearly ☐ One-Time

Quantity: 3

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Date: 9-2-08

☒ Approved☐ Rejected

Approval Number: 2969

1. **Base Pricing (including freight):**

\$ 02 45/drum

2. **Contamination Limits (maximum limit before surcharges apply):**

3. **Surcharge Pricing:**

4. **Special Testing Requirements:**

See if oil layer : ① can be separated from
solids ② If oil separated blends w/ Black oil
③ Chlor-d-test

5. **Treatment and Handling Protocol:**

① Remove solids Recycle oil if blends w/ Black oil
② if not process as Class 1 Waste

6. **Treated Wastewater Discharge Subcategory:**

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C

7. **Tests for Product Recovered/Recycled (if applicable):**

--

8. **Management for Product Recovered/Recycled (if applicable):**

--

2972
saltex



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/2/2008

Dear **Kenn Young**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2972

Expiration Date 9/2/2010

Generator: Soltex

Address: 1411 FM 565
Baytown, TX 77520

Waste Information

Name of Waste: Polybutene and absorbent debris

TCEQ Waste Code #: CESQ3011

Container Type:

Detailed Description of Process Generating Waste:

Dripping from trans loading from one trailer to another

Color: varies

Odor: none

pH: neutral

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

AUG-27-2008 10:09

CES ENVIROMENTAL

7137488664

P.002

YRP
There cannot be any free
liquids in the drums.



4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

JB

SECTION 1: Generator Information

Company: Soltex
Address: 1411 FM 565
City: Baytown State: TX Zip: 77520
Contact: Kenn Young Title: Operations Manager
Phone Number: (281) 587-0900 Fax Number: (281) 573-2924
24/hr Phone Number: (281) 587-0900
US EPA ID No: TXCESQG
State ID No: CESQG SIC Code: na

SECTION 2: Billing Information - ☐ Same as Above

Company: Soltex
Address: 3707 FM 1960 West
City: Houston State: TX Zip: 77068
Contact: Kenn Young Title: Operations Manager
Phone Number: (281) 587-0900 Fax Number: (281) 573-2924

SECTION 3: General Description of the WasteName of Waste: Polybutene and absorbent debris

Detailed Description of Process Generating Waste:

Drippings from trans loading from one trailer to another

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: Varies Odor: none

Specific Gravity (water=1): na Density: na lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☒ Monthly ☐ Yearly ☐ One-Time

Quantity: 3

P.003

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard

SECTION 6: Attached Supporting DocumentsList all documents, notes, data and/or analysis attached to this form as part of the waste approval package. none**SECTION 7: Incompatibilities**

Please list ALL incompatibilities (if any):

none known**SECTION 8: Generator's Knowledge Documentation**Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:

x

TCLP Volatiles:

x

TCLP Semi-Volatiles:

x

Reactivity:

x

Corrosivity:

x

Ignitability:

x**SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)**

Is this material a wastewater or wastewater sludge?

☐ YES☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: *Kenn Young*Date: 8-27-08Printed Name/Title: Kenn YoungOperations Mgr.

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: *Perkins*Date: 9-2-08☒ Approved☐ RejectedApproval Number: 2972

Total P.005

EPAHO110002119



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

\$60/drum + FSC

2. Contamination Limit (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

there cannot be any free liquids in the drums.

5. Treatment and Handling Protocol:

Bulk into Class I solids

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

There cannot be any free liquids in the drums.

8. Management for Product Recovered/Recycled (if applicable)

2973

Koppers, Inc



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/2/2008

Dear David Shaw

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2973

Expiration Date 9/2/2010

Generator: Koppers, Inc.

Address: PO Box 189
Somerville, TX 77879

Waste Information

Name of Waste: Lead acid batteries

TCEQ Waste Code #: UNIV309H

Container Type: pallet of 12-15 batteries

Detailed Description of Process Generating Waste:

Spent lead acid batteries

Color: various

Odor: none

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

level d

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110002123

SRP
the batteries should be named "(Universal Waste)".
the batteries must go to a recycler.
the batteries must be weighed
and the weight recorded.

GB

CES Environmental Services, Inc.
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator Information

Company: Koppers, Inc.
Address: PO Box 189
City: Somerville State: Texas Zip: 77879
Contact: David R. Lauter Jr. Title: Safety Health & Environmental Coordinator
Phone Number: (979) 596-1321 Fax Number: 979-596-2719
24/hr Phone Number: 936-520-9597
US EPA ID No: TXR000003780
State ID No: 83899 SIC Code: N/A

SECTION 2: Billing Information - ☐ Same as Above

Company: Koppers, Inc.
Address: PO Box 189
City: Sommerville State: Texas Zip: 77879
Contact: David Shaw Title:
Phone Number: (979) 596-1321 Fax Number:

SECTION 3: General Description of the Waste

Name of Waste: Lead Acid Batteries

Detailed Description of Process Generating Waste:

Spent Lead Acid Batteries

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: various

Odor: None

Specific Gravity (water=1): N/A

Density: N/A lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain)

Frequency: ☐ Weekly ☐ Monthly ☒ Yearly ☐ One-Time

Quantity: 1 pallet of about 12-15 batteries

☒ Yes ☐ No

If "Yes", Is it: ☐ D001 (Ignitable) ☒ D002 (Corrosive) ☐ D003 (Reactive)

☐ D004 ☐ D005 ☐ D006 ☐ D007 ☒ D008 ☐ D009
☐ D010 ☐ D011

☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

UNIV309H

UN2794

PG :

111

RQ:

N/A

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. None

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	<u>X</u>
TCLP Volatiles:	<u>X</u>
TCLP Semi-Volatiles:	<u>X</u>
Reactivity:	<u>X</u>
Corrosivity:	<u>X</u>
Ignitability:	<u>X</u>

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?

☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
- Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L
- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
- ☐ Metals Subcategory
 - ☐ Oils Subcategory
 - ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Date: _____

Approval Number: _____

☒ Approved

☐ Rejected



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

~~\$105716~~ 754/16.
Trans 70^{cu}/HR + FSC

2. Contamination Limit (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

The Batteries must be weighed & the weight recorded.

5. Treatment and Handling Protocol:

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

The batteries must be weighed and the weight recorded.

8. Management for Product Recovered/Recycled (if applicable)

The batteries must go to a recycler.

2974



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/2/2008

Dear David Doyle

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2974

Expiration Date 9/2/2010

Generator: Oyo Geospace
Address: 7007 Pinemont
Houston, TX 77040

Waste Information

Name of Waste: RCRA empty containers

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

RCRA empty misc containers

Color: varies

Odor: none

pH: NEUTRAL

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

LEVEL d

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110002131

**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

Are they metal, plastic, etc.
All containers must be
empty. These containers
are recycled?

GB

SECTION 1: Generator Information

Company : Oyo Geospace
Address : 7007 Pinemont 7007 Pinemont
City, State, Zip : Houston TX 77040
Contact : David Doyle Title :
Phone No : (713) 986-4444 Fax : (713) 986-4445
24 / HR Phone :
U.S EPA I.D No : TXR000077388
State I.D : 88089 SIC Code 3829

SECTION 2: Billing Information

Company : Oyo Geospace
Address : 7007 Pinemont 7007 Pinemont
City, State, Zip : Houston TX 77040
Contact : David Doyle Title :
Phone No : (713) 986-4444 Fax : (713) 986-4445

SECTION 3: General Description of the Waste

Name of Waste : RCRA empty containers

Detailed Description of the Process Generating Waste:

RCRA empty miscellaneous containers

Physical State : ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color : varies Odor : NONE
Specific Gravity (Water=1) : NA Density : NA lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers : ☒ Single-Phas ☐ Multi-Phase

Container Type : ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain) _____

Container Size : 55

Number Of Units : _____

Is this a USEPA "Hazardous Waste" per 40 CFR 261.3? ☐ Yes ☒ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007
☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code No : Recycle

Proper U.S. State Waste Code No : Non-RCRA/Non-DOT Regulated empty containers

Class : UN/NA : PG : RQ :

Flash Point >200	pH neutral	Reactive Sulfides 0 mg/l	Reactive Cyanides 0 mg/l	Solids 100 %
Oil and Grease 0 mg/l	TOC 0 mg/l	Zinc 0 mg/l	Copper 0 mg/l	Nickel 0 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
<u>empty containers</u>	<u>100</u>	%
		%
		%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

NONE

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

NONE

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ☒
TCLP Volatiles : ☒
TCLP Semi-Volatiles : ☒
Reactivity : ☒

Corrosivity : ☒ X

Ignitability : ☒ X

SECTION 9: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations

☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 10: Additional Instruction

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : No Signature needed (Recyclable) Date : 8/27/2008

Printed Name / Title : David Doyle /

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information :

Compliance Officer : Prabhakar Thangudu

Date : 9-2-08 Status : Approved Rejected

Approval Number : 2974



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

\$10 drum Trans \$70 + FSC
\$100 Total

2. Contamination Limit (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

The containers must be empty.

5. Treatment and Handling Protocol:

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

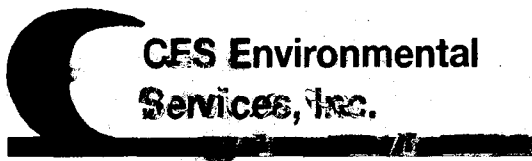
7. Tests for Product Recovered/Recycled (if applicable):

The containers must be empty.

8. Management for Product Recovered/Recycled (if applicable)

Recycle containers

2975
Koppens, Inc



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460
Ex. (713) 676-1460

Waste Pre-Acceptance Approval Letter

Date: 9/2/2008

Dear David Shaw

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2975

Expiration Date 9/2/2010

Generator: Koppers, Inc.

Address: PO Box 189
Somerville, TX 77879

Waste Information

Name of Waste: Fluorescent and metal halide bulbs and lamps (Univ waste)

TCEQ Waste Code #: UNIV309H

Container Type: box

Detailed Description of Process Generating Waste:

Spent fluorescent and metal halide bulbs and lamps

Color: white to clear Odor: none pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

level d

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Mat Bowman, President
CES Environmental Services, Inc.

LRP

Must go to a recycler



4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

GB

SECTION 1: Generator Information

Company: Koppers, Inc.
Address: PO Box 189
City: Somerville State: Texas Zip: 77879
Contact: David R. Lauter Jr. Title: Safety Health & Environmental Coordinator
Phone Number: (979) 596-1321 Fax Number: 979-596-2719
24/hr Phone Number: 936-520-9597
US EPA ID No: TXR000003780
State ID No: 83899 SIC Code: N/A

SECTION 2: Billing Information - ☐ Same as Above

Company: Koppers, Inc.
Address: PO Box 189
City: Sommerville State: Texas Zip: 77879
Contact: David Shaw Title: _____
Phone Number: (979) 596-1321 Fax Number: _____

SECTION 3: General Description of the Waste

Name of Waste: Fluorescent and Metal Halide bulbs and lamps (Universal Waste)

Detailed Description of Process Generating Waste:

Spent Fluorescent and Metal Halide bulbs and lamps

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: White to Clear Odor: None

Specific Gravity (water=1): N/A Density: N/A lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain)

Frequency: ☐ Weekly ☐ Monthly ☒ Yearly ☐ One-Time

Quantity: 3 boxes

☒ Yes ☐ No

If "Yes", is it:

☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)

☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☒ D009

☐ D010 ☐ D011

Is this an "F" or "K" Listed waste or mixed with one?

☐ Yes ☒ No

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

☐ Yes ☒ No

Texas State Waste Code Number:

UNIV309H

Proper US DOT Shipping Name:

Environmentally Hazardous Substance, Solid, N.O.S.

Class: 9 **UN/NA:**

UN3077 PG: III RQ: N/A

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
N/A		N/A		0 mg/l		0 mg/l		100 %	
Oil & Grease		TOC		Zinc		Copper		Nickel	
0	mg/l	0	mg/l	0	mg/l	0	mg/l	0	mg/l

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. None

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals: X

TCLP Volatiles: X

TCLP Semi-Volatiles: X

Reactivity: X

Corrosivity: X

Ignitability: X

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?

☐ YES

☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory : Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10. Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: _____	
Date: 9-2-08	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected
Approval Number: 2925	



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

~~\$1.50/can~~ 75¢/4' Bulbs
125¢/8' Bulbs
Trucks 70¢/hr

2. Contamination Limit (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

5. Treatment and Handling Protocol:

Must go to a recycler.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--

2976
Steel & Pipe Supply



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/2/2008

Dear Ron Kohler

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2976

Expiration Date 9/2/2010

Generator: Steel & Pipe Supply
Address: 1550 North Witter
Pasadena, TX 77506

Waste Information

Name of Waste: floor sweepings, metal shavings

TCEQ Waste Code #: CESQ3071

Container Type:

Detailed Description of Process Generating Waste:

general shop floor clean up

Color: black

Odor: hydrocarbon

pH: na

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110002147

GRP
No Tx state waste codes.



CES Environmental
Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

JB

SECTION 1: Generator Information

Company: Steel & Pipe Supply
Address: 1550 N Witter
City, State, Zip: Pasadena Tx 77506
Contact: Kelly Marsh Title: Maintenance
Phone No: 713-472-5614 Fax No:
24/hr Phone:
U.S. EPA I.D. No: cesqg
State I.D. cesqg SIC Code:

SECTION 2: Billing Information – ☐ Same as Above

Company: Select Environmental
Address: 223 McCarty Dr.
City, State, Zip: Houston Tx 77029
Contact: Kevin White Title: sales
Phone No: 281-960-3967 Fax No: 713-255-1761

SECTION 3: General Description of the Waste

Name of Waste: floor sweepings, metal shavings

Detailed Description of Process Generating Waste: general shop floor clean up

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: black

Odor: hydrocarbon

Specific Gravity (water=1): _____

Density: _____ lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size: 55 gal

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly

Number of Units (containers): 6 Other: _____

→ Texas State Waste Code No: CESQ3021

Proper U.S. DOT Shipping Name: non haz solid

Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point <i>na</i>	pH <i>na</i>	Reactive Sulfides <i>0</i> mg/l	Reactive Cyanides <i>0</i> mg/l	Solids <i>100</i> %
Oil & Grease <i>46</i> mg/l <i>> 1500</i>	TOC <i>na</i> mg/l	Zinc <i>na</i> mg/l	Copper <i>na</i> mg/l	Nickel <i>na</i> mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
floor dry		70%
dirt		20%
metal shavings		10%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

std

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

none

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

none

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ☒
 TCLP Volatiles: ☒
 TCLP Semi-Volatiles: ☒
 Reactivity: ☒
 Corrosivity: ☒
 Ignitability: ☒

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: *Kelly Marsh Rep. Steal Pipe Supply* Date: *8/25/08*

Printed Name/Title: *Kelly Marsh Rep. Steal Pipe Supply*

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: *Robert E. Boyd*

Date: *9-2-08* ☒ Approved ☐ Rejected

Approval Number: *2976*

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. **Base Pricing (including freight):**

\$ 65/drum + trans + fs

2. **Contamination Limits (maximum limit before surcharges apply):**

No free liquid

3. **Surcharge Pricing:**

4. **Special Testing Requirements:**

5. **Treatment and Handling Protocol:**

Class 1 Solid Box

6. **Treated Wastewater Discharge Subcategory:**

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable):

--

2977

Forged Products



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/4/2008

Dear Steve Moerbe

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2977

Expiration Date 9/4/2010

Generator: Forged Products

Address: 6505 North Houston Rosslyn Road
Houston, TX 77091

Waste Information

Name of Waste: used oil filters

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Color: dark

Odor: hydrocarbon

pH: 6-9

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110002155

DB



4904 Griggs Road, Houston, TX 77021
 Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
 TCEQ Industrial Solid Waste Permit Number: 30948
 U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator Information

Company: Forged Products
 Address: 6505 North Houston Rosslyn Road
 City: Houston State: TX Zip: 77091
 Contact: Steve Moerbe Title: _____
 Phone Number: (832) 590-7932 Fax Number: _____
 24/hr Phone Number: _____
 US EPA ID No: _____
 State ID No: _____ SIC Code: 30270

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Contact: _____ Title: _____
 Phone Number: _____ Fax Number: _____

SECTION 3: General Description of the Waste

Name of Waste: Used Oil Filters
 Detailed Description of Process Generating Waste: used oil filters from machinery and trucks

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination
 Color: dark Odor: hydrocarbon

Specific Gravity (water=1): na Density: na lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☒ Monthly ☐ Yearly ☐ One-Time

Quantity: 5-10

☐ Yes ☒ No

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009
☐ D010 ☐ D011

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☒ No

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

Texas State Waste Code Number: Recycle

Proper US DOT Shipping Name:		Non-RCRA, Non-DOT regulated material			
Class:	na	UN/NA:	na	PG :	na
				RQ:	na

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
>200		6-9		0 <u>mg/l</u>		na mg/l		100 %	
Oil & Grease		TOC		Zinc		Copper		Nickel	
>1500	mg/l	na	mg/l	na	mg/l	na	mg/l	na	mg/l

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. none

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED**

based upon the following generator knowledge:

TCLP Metals:	<u>x</u>
TCLP Volatiles:	<u>x</u>
TCLP Semi-Volatiles:	<u>x</u>
Reactivity:	<u>x</u>
Corrosivity:	<u>x</u>
Ignitability:	<u>x</u>

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ Date: 9/4/2008

Printed Name/Title: no signature needed (Steve Moerbe)

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer:

Date: 9-4-08

Approval Number:



☒ Approved

☐ Rejected

2977

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge?

☐ YES

☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☒ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

\$35/dm

2. Contamination Limit (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

5. Treatment and Handling Protocol:

Recycle oil filters

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--

2978

Zach System Corp



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/5/2008

Dear Ronald Smith

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2978

Expiration Date 9/4/2010

Generator: ZaCh System Corp. (La Porte)

Address: 914 South 16th Street
La Porte, TX 77571

Waste Information

Name of Waste: Hazardous NMP Step 5 First and Second Repulping

TCEQ Waste Code #: 0106110H

Container Type:

Detailed Description of Process Generating Waste:

Rinsewater from pharmaceutical manufacturing process

Color: amber

Odor: slight

pH: 6-13

Physical State:

Incompatibilities: see MSDS

Safety Related Data/Special Handling:

Standard PPE for flammable and corrosives

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

AL

SECTION 1: Generator Information

Company: Zach Systems Corp.
Address: 914 S. 16th Street
City: LaPorte State: TX Zip: 77571
Contact: Ron Smith Title: EH&S Manager
Phone Number: 2818420201 Fax Number:
24/hr Phone Number: 2818420201
US EPA ID No: TXR000079062
State ID No: 88429 SIC Code: NA

SECTION 2: Billing Information - ☒ Same as Above

Company:
Address:
City: State: Zip:
Contact: Title:
Phone Number: Fax Number:

SECTION 3: General Description of the Waste

Name of Waste: Hazardous NMP Step 5 First and Second Repulping

Detailed Description of Process Generating Waste:

Rinsewater form pharmaceutical manufacturing process

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Amber Odor: Slight

Specific Gravity (water=1): 0.9 Density: 7.5 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Frequency: ☒ Weekly ☐ Monthly ☐ Yearly ☐ One-Time

Quantity: 5500

☒ Yes ☐ No

If "Yes", Is it: ☒ D001 (Ignitable) ☒ D002 (Corrosive) ☐ D003 (Reactive)
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009
☐ D010 ☐ D011

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☒ No

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

Texas State Waste Code Number: 0106110H

Proper US DOT Shipping Name:		Waste flammable liquids, corrosive, n.o.s. (sodium hydroxide, toluene),			
Class:	3 UN/NA:	UN2924	PG :	II	RQ: 1000

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
<140		6-13		<20 <u>mg/l</u>		<20 mg/l		0-2 %	
Oil & Grease		TOC		Zinc		Copper		Nickel	
NA	<u>mg/l</u>	NA	<u>mg/l</u>	NA	<u>mg/l</u>	NA	mg/l	NA	<u>mg/l</u>

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE (for flammable and corrosive materials)

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. MSDS

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):
None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	X
TCLP Volatiles:	X
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	X
Ignitability:	X

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?
If 'Yes', complete this section.

☒ YES ☐ NO

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☒ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☒ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Ron Smith

Date: _____

8/12/2008

Printed Name/Title: _____

Ron Smith, HS&E Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: _____	<i>Robert Thang</i>
Date: <u>9-4-08</u>	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Rejected
Approval Number: _____	<u>2978</u>

1. Generator Information Name: <u>Zach Systems Corp.</u> Address: <u>914 S. 16th Street</u> <u>LaPorte, TX 77571</u> EPA ID No.: <u>TXR000079062</u> Manifest No.: _____	2. Receiving Facility Information Name: <u>CES Environmental Services, Inc.</u> Address: <u>4904 Griggs Road</u> <u>Houston, TX 77021</u> EPA ID No.: <u>TXD008950461</u>
--	--

3. Waste Description at Point of Generation					
Line Item	Waste Description	Hazardous Waste Codes	LDR Subcategory	WW / NWW	Underlying Hazardous Constituents [268.2(i)]
1	Haz NMP Step 5 (1st & 2nd Rep.)	D001, D002		WW	
2					
3					
4					
5					

4. Waste Disposition				
Line Item	Subtitle C Exclusion Subsequent to Point of Generation (if applicable)	Current Disposition of Waste	268.45, Table 1 Technology used to treat debris (if applicable)	Date Shipped
1				
2				
3				
4				
5				

5. Was the waste hazardous at the point of generation but subsequently became excluded from the definition of hazardous waste or exempt from Subtitle C regulation (including characteristic wastes managed in wastewater treatment systems discharging under the CWA)?
☐ Yes ☒ No (if yes, this constitutes the 268.7(a)(7) one-time notification.)

6. Was the waste characteristic at the point of generation, treated onsite to remove the characteristic, and treatment residues then shipped to a Subtitle D land disposal facility? ☐ Yes ☒ No (if yes, complete Certification 1 or 2.)

7. Was the waste "debris" that was hazardous at the point of generation but subsequently became excluded from the definition of hazardous waste under 261.3(f)(1) by treating it using an extraction or destruction technology in 268.45, Table 1? ☐ Yes ☒ No (if yes, complete Certification 3.)

8. Was the waste "debris" that was hazardous at the point of generation but subsequently became excluded from the definition of hazardous waste under 261.3(f)(2) by receiving a "no-longer-contains" determination from EPA or the authorized state? ☐ Yes ☒ No (if yes, this constitutes the 268.7(d)(1) one-time notification.)

9. Is the waste residue from treating K061, K062 and/or F006 wastes in high-temperature metals recovery (HTMR) units that 1) meets the generic exclusion levels in 261.3(c)(2)(ii)(C), 2) does not exhibit any characteristics, and 3) is shipped to a Subtitle D land disposal facility? ☐ Yes ☒ No (if yes, complete Certification 4.)

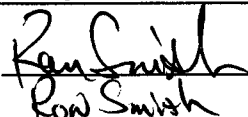
10. <input type="checkbox"/> Waste that has been treated to remove a characteristic and meets underlying hazardous constituents standards. I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristics and that underlying hazardous constituents, as defined in 268.2(i) have been treated on-site to meet the 268.48 Universal Treatment Standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.	Applies to items: Reference: 268.7(b)(4)(v) and 268.9(d)
--	--

11. <input type="checkbox"/> Waste that has been treated to remove a characteristic but does not meet underlying hazardous constituents standards. I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.	Applies to items: Reference: 268.7(b)(4)(v) and 268.9(d)
---	--

12. <input type="checkbox"/> Debris that has been treated to meet the alternative treatment standards. I certify under penalty of law that the debris has been treated in accordance with the requirements of 40 CFR 268.45. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.	Applies to items: Reference: 268.7(b)(4)(v) and 268.9(d)
---	--

13. <input type="checkbox"/> HTMR residue from treating K061, K062 and/or F006 wastes. I certify under penalty of law that the generic exclusion levels for all constituents have been met without impermissible dilution and that no characteristic of hazardous waste is exhibited. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.	Applies to items: Reference: 268.7(b)(4)(v) and 268.9(d)
--	--

Authorized Signature:



Date:

Printed Name / Title:



UNDERLYING HAZARDOUS CONSTITUENTS (UHC)

Generator Zach Systems Corp.

EPA ID Number TXR000079062

Mailing Address 914 S. 16th Street

Manifest Number

City, State, Zip LaPorte, TX 77571

CES Profile Number

EPA Waste Codes

D001	D002								

If your waste, at the point of generation, exceeds the limits of the following constituents, then please represent this fact to CES Environmental Services, Inc. by checking the applicable box listed below.

Does this waste contain one or more of the constituents listed on pages 1, 2, 3 or 4?

☐ YES☐ NO

If "Yes", check applicable constituents and then sign and date the form. If "No", then sign and date the form.

Description	CAS No. [1]	Wastewater mg/l [2]	Non-Wastewater mg/kg
<input checked="" type="checkbox"/> I. Organic Constituents			
<input type="checkbox"/> 2-Acetylaminofluorene	53-96-3	0.059	140
<input type="checkbox"/> 4-Aminobiphenyl	92-67-1	0.13	NA
<input type="checkbox"/> o-Anisidine (2-methoxyaniline)	90-04-0	0.010	0.66
<input type="checkbox"/> Acenaphthene	83-32-9	0.059	3.4
<input type="checkbox"/> Acenaphthylene	208-96-8	0.059	3.4
<input type="checkbox"/> Acetone	67-64-1	0.28	160
<input type="checkbox"/> Acetonitrile	75-05-8	5.6	38
<input type="checkbox"/> Acetophenone	96-86-2	0.01	9.7
<input type="checkbox"/> Acrolein	107-02-8	0.29	NA
<input type="checkbox"/> Acrylamide	79-06-1	19	23
<input type="checkbox"/> Acrylonitrile	107-13-1	0.24	84
<input type="checkbox"/> Aldicarb sulfone [6]	1646-88-4	0.056	0.28
<input type="checkbox"/> Aldrin	309-00-2	0.021	0.066
<input type="checkbox"/> alpha-BHC	319-84-6	0.00014	0.066
<input type="checkbox"/> Aniline	62-53-3	0.81	14
<input type="checkbox"/> Anthracene	120-12-7	0.059	3.4
<input type="checkbox"/> Aramite	140-57-8	0.36	NA
<input type="checkbox"/> 2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	88-85-7	0.066	2.5
<input type="checkbox"/> 4-Bromophenyl phenyl ether	101-55-3	0.055	15
<input type="checkbox"/> Barban [6]	101-27-9	0.056	1.4
<input type="checkbox"/> Bendiocarb [6]	22781-23-3	0.056	1.4
<input type="checkbox"/> Benomyl [6]	17804-35-2	0.056	1.4
<input type="checkbox"/> Benz(a)anthracene	56-55-3	0.059	3.4
<input type="checkbox"/> Benzal chloride	98-87-3	0.055	6
<input type="checkbox"/> Benzene	71-43-2	0.14	10
<input type="checkbox"/> Benzo(a)pyrene	50-32-8	0.061	3.4
<input type="checkbox"/> Benzo(b)fluoranthene	205-99-2	0.11	6.8
<input type="checkbox"/> Benzo(g,h,i)perylene	191-24-2	0.0055	1.8
<input type="checkbox"/> Benzo(k)fluoranthene	207-08-9	0.11	6.8
<input type="checkbox"/> beta-BHC	319-85-7	0.00014	0.066
<input type="checkbox"/> bis(2-Chloroisopropyl)ether	39638-32-9	0.055	7.2

Description	CAS No. [1]	Wastewater mg/l [2]	Non-Wastewater mg/kg
<input checked="" type="checkbox"/> bis(2-Ethylhexyl) phthalate	117-81-7	0.28	28
<input type="checkbox"/> bis-(2-Chloroethoxy)methane	111-91-1	0.036	7.2
<input type="checkbox"/> bis-(2-Chloroethyl)ether	111-44-4	0.033	6
<input type="checkbox"/> Bromodichloromethane	75-27-4	0.35	15
<input type="checkbox"/> Bromoform (Tribromomethane)	75-25-2	0.63	15
<input type="checkbox"/> Bromomethane/Methyl bromide	74-83-9	0.11	15
<input type="checkbox"/> Butyl benzyl phthalate	85-68-7	0.017	28
<input type="checkbox"/> Butylate [6]	2008-41-5	0.042	1.4
<input type="checkbox"/> 2-chloro-1,3-butadiene	126-99-8	0.057	0.28
<input type="checkbox"/> 2-Chloroethyl vinyl ether	110-75-8	0.062	NA
<input type="checkbox"/> 2-Chloronaphthalene	91-58-7	0.055	5.6
<input type="checkbox"/> 2-Chlorophenol	95-57-8	0.044	5.7
<input type="checkbox"/> 3-Chloropropylene	107-05-1	0.036	30
<input type="checkbox"/> Carbaryl [6]	63-25-2	0.006	0.14
<input type="checkbox"/> Carbenzadim [6]	10605-21-7	0.056	1.4
<input type="checkbox"/> Carbofuran [6]	1563-66-2	0.006	0.14
<input type="checkbox"/> Carbofuran phenol [6]	1563-38-8	0.056	1.4
<input type="checkbox"/> Carbon disulfide	75-15-0	3.8	4.8mg/l
<input type="checkbox"/> Carbon tetrachloride	56-23-5	0.057	6
<input type="checkbox"/> Carbosulfan [6]	55285-14-8	0.028	1.4
<input type="checkbox"/> Chlordane (alpha and gamma isomers)	57-74-9	0.0033	0.26
<input type="checkbox"/> Chlorobenzene	108-90-7	0.057	6
<input type="checkbox"/> Chlorobenzilate	510-15-6	0.1	NA
<input type="checkbox"/> Chlorodibromomethane	124-48-1	0.057	15
<input type="checkbox"/> Chloroethane	75-00-3	0.27	6
<input type="checkbox"/> Chloroform	67-66-3	0.046	6
<input type="checkbox"/> Chloromethane (Methyl chloride)	74-87-3	0.19	30
<input type="checkbox"/> Chrysene	218-01-9	0.059	3.4
<input type="checkbox"/> m-Cresol	108-39-4	0.77	5.6
<input type="checkbox"/> (difficult to distinguish from p-cresol)			
<input type="checkbox"/> m-Cumenyl methylcarbamate [6]	64-00-6	0.056	1.4

I. Organic Constituents (continued)			
<input type="checkbox"/> cis-1,3-Dichloropropylene	10061-01-5	0.036	18
<input type="checkbox"/> Cyclohexanone	108-94-1	0.36	0.75 mg/l TCLP
<input type="checkbox"/> 1,1-Dichloroethane	75-34-3	0.059	6
<input type="checkbox"/> 1,1-Dichloroethylene	75-35-4	0.025	6
<input type="checkbox"/> 1,2-Dibromo-3-chloropropane	96-12-8	0.11	15
<input type="checkbox"/> 1,2-Dichloroethane	107-06-2	0.21	6
<input type="checkbox"/> trans-1,2-Dichloroethylene	156-60-5	0.054	30
<input type="checkbox"/> 1,2-Dichloropropane	78-87-5	0.85	18
<input type="checkbox"/> 1,2-Diphenylhydrazine	122-66-7	0.087	NA
<input type="checkbox"/> trans-1,3-Dichloropropylene	10061-02-6	0.036	18
<input type="checkbox"/> 1,4-Dinitrobenzene	100-25-4	0.32	2.3
<input type="checkbox"/> 1,4-Dioxane	123-91-1	12	170
<input type="checkbox"/> 2,4-Dichlorophenol	120-83-2	0.044	14
<input type="checkbox"/> 2,4-Dichlorophenoxyacetic acid/2,4-D	94-75-7	0.72	10
<input type="checkbox"/> 2,4-Dinitrophenol	51-28-5	0.12	160
<input type="checkbox"/> 2,4-Dinitrotoluene	121-14-2	0.32	140
<input type="checkbox"/> 2,6-Dichlorophenol	87-65-0	0.044	14
<input type="checkbox"/> 2,6-Dinitrotoluene	606-20-2	0.55	28
<input type="checkbox"/> 2,4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	0.72	10
<input type="checkbox"/> 2,4-Dimethyl phenol	105-67-9	0.036	14
<input type="checkbox"/> 2,4-Dimethylaniline (2,4-xyldine)	95-68-1	0.010	0.66
<input type="checkbox"/> 4,6-Dinitro-o-cresol	534-52-1	0.28	160
<input type="checkbox"/> delta-BHC	319-86-8	0.023	0.066
<input type="checkbox"/> di-n-butyl phthalate	84-74-2	0.057	28
<input type="checkbox"/> Di-n-octyl phthalate	117-84-0	0.017	28
<input type="checkbox"/> Di-n-propylnitrosamine	621-64-7	0.4	14
<input type="checkbox"/> Dibenz(a,e)pyrene	192-65-4	0.061	NA
<input type="checkbox"/> Dibenz(a,h)anthracene	53-70-3	0.055	8.2
<input type="checkbox"/> Dibromomethane	74-95-3	0.11	15
<input type="checkbox"/> Dichlorodifluoromethane	75-71-8	0.23	7.2
<input type="checkbox"/> Dieldrin	60-57-1	0.017	0.13
<input type="checkbox"/> Diethyl phthalate	84-66-2	0.2	28
<input type="checkbox"/> Dimethyl phthalate	131-11-3	0.047	28
<input type="checkbox"/> Diphenylamine	122-39-4	0.92	13
<input type="checkbox"/> Diphenylnitrosamine	86-30-6	0.92	13
<input type="checkbox"/> Disulfoton	298-04-4	0.017	6.2
<input type="checkbox"/> Dithiocarbamates (total) [6]	137-30-4	0.028	28
<input type="checkbox"/> Endosulfan I	959-98-8	0.023	0.066
<input type="checkbox"/> Endosulfan II	33213-65-9	0.029	0.13
<input type="checkbox"/> Endosulfan sulfate	1031-07-8	0.029	0.13
<input type="checkbox"/> Endrin	72-20-8	0.0028	0.13
<input type="checkbox"/> Endrin aldehyde	7421-93-4	0.025	0.13
<input type="checkbox"/> EPTC [6]	759-94-4	0.042	1.4
<input type="checkbox"/> Ethyl acetate	141-78-6	0.34	33
<input type="checkbox"/> Ethyl benzene	100-41-4	0.057	10
<input type="checkbox"/> Ethyl cyanide/propanenitrile	107-12-0	0.24	360
<input type="checkbox"/> Ethyl ether	60-29-7	0.12	160
<input type="checkbox"/> Ethyl methacrylate	97-63-2	0.14	160
<input type="checkbox"/> Ethyl Oxide	75-21-8	0.12	NA
<input type="checkbox"/> Ethylene dibromide (1,2-Dibromoethane)	106-93-4	0.028	15
<input type="checkbox"/> Famphur	52-85-7	0.017	15
<input type="checkbox"/> Fluoranthene	206-44-0	0.068	3.4

<input type="checkbox"/> Fluorene	86-73-7	0.059	3.4
<input type="checkbox"/> Formetanate hydrochloride [6]	23422-53-9	0.056	1.4
<input type="checkbox"/> gamma-BHC	58-89-9	0.0017	0.066
<input type="checkbox"/> Heptachlor	76-44-8	0.0012	0.066
<input type="checkbox"/> Heptachlor epoxide	1024-57-3	0.016	0.066
<input type="checkbox"/> Hexachlorobenzene	118-74-1	0.055	10
<input type="checkbox"/> Hexachlorobutadiene	87-68-3	0.055	5.6
<input type="checkbox"/> Hexachlorocyclopentadiene	77-47-4	0.057	2.4
<input type="checkbox"/> Hexachloroethane	67-72-1	0.055	30
<input type="checkbox"/> Hexachloropropylene	1888-71-7	0.035	30
<input type="checkbox"/> HxCDDs (All Hexachlorodibenzo-p-dioxins)	N/A	0.000063	0.001
<input type="checkbox"/> HxCDFs (All Hexachlorodibenzofurans)	N/A	0.000063	0.001
<input type="checkbox"/> 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	0.000035	0.0025
<input type="checkbox"/> 1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	0.000035	0.0025
<input type="checkbox"/> 1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	0.000035	0.0025
<input type="checkbox"/> Ideno (1,2,3-c,d) pyrene	193-39-5	0.0055	3.4
<input type="checkbox"/> Iodomethane	74-88-4	0.19	65
<input type="checkbox"/> Isobutyl alcohol	78-83-1	5.6	170
<input type="checkbox"/> Isodrin	465-73-6	0.021	0.066
<input type="checkbox"/> Isosafrole	120-58-1	0.081	2.6
<input type="checkbox"/> Kepone	143-50-0	0.0011	0.13
<input type="checkbox"/> 3-Methylcholanthrene	56-49-5	0.0055	15
<input type="checkbox"/> 4,4-Methylene bis (2-chloroaniline)	101-14-4	0.5	30
<input type="checkbox"/> m-Dichlorobenzene	541-73-1	0.036	6
<input type="checkbox"/> Methacrylonitrile	126-98-7	0.24	84
<input type="checkbox"/> Methanol	67-56-1	5.6	0.75 mg/l TCLP
<input type="checkbox"/> Methiocarb [6]	2032-65-7	0.056	1.4
<input type="checkbox"/> Methomyl [6]	16752-77-5	0.028	0.14
<input type="checkbox"/> Methoxychlor	72-43-5	0.25	0.18
<input type="checkbox"/> Methapyrilene	91-80-5	0.081	1.5
<input type="checkbox"/> Methyl ethyl ketone	78-93-3	0.28	36
<input type="checkbox"/> Methyl isobutyl ketone	108-10-1	0.14	33
<input type="checkbox"/> Methyl methacrylate	80-62-6	0.14	160
<input type="checkbox"/> Methyl methansulfonate	66-27-3	0.018	NA
<input type="checkbox"/> Methyl parathion	298-00-0	0.014	4.6
<input type="checkbox"/> Methylene chloride	75-09-2	0.089	30
<input type="checkbox"/> Metolcarb [6]	1129-41-5	0.056	1.4
<input type="checkbox"/> Mexacarbate [6]	315-18-4	0.056	1.4
<input type="checkbox"/> Molinate [6]	2212-67-1	0.042	1.4
<input type="checkbox"/> 2-Naphthylamine	91-59-8	0.52	NA
<input type="checkbox"/> 5-Nitro-o-toluidine	99-55-8	0.32	28
<input type="checkbox"/> n-Butyl alcohol	71-36-3	5.6	2.6
<input type="checkbox"/> N-Nitroso-di-n-butylamine	924-16-3	0.4	17
<input type="checkbox"/> N-Nitrosodiethylamine	55-18-5	0.4	28
<input type="checkbox"/> N-Nitrosodimethylamine	62-75-9	0.4	2.3
<input type="checkbox"/> N-Nitrosomethylethylamine	10595-95-6	0.4	2.3
<input type="checkbox"/> N-Nitrosomorpholine	59-89-2	0.4	2.3
<input type="checkbox"/> N-Nitrosopiperidine	100-75-4	0.013	35
<input type="checkbox"/> N-Nitrosopyrrolidine	930-55-2	0.013	35
<input type="checkbox"/> Naphthalene	91-20-3	0.059	5.6
<input type="checkbox"/> Nitrobenzene	98-95-3	0.068	14
<input type="checkbox"/> 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	3268-87-9	0.000063	0.005

✓ **I. Organic Constituents (continued)**

1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	39001-02-0	0.000063	0.005
o,p-DDD	53-19-0	0.023	0.087
o,p-DDE	3424-82-6	0.031	0.087
o,p-DDT	789-02-6	0.0039	0.087
o-Cresol	95-48-7	0.11	5.6
o-Dichlorobenzene	95-50-1	0.088	6
o-Nitroaniline	88-74-4	0.27	14
o-Nitrophenol	88-75-5	0.028	13
Oxamyl [6]	23135-22-0	0.056	0.28
1,3-Phenylenediamine	108-45-2	0.010	0.66
p-Cresidine	120-71-8	0.010	0.66
p,p-DDD	72-54-8	0.023	0.087
p,p-DDE	72-55-9	0.031	0.087
p,p-DDT	50-29-3	0.0039	0.087
p-Chloro-m-cresol	59-50-7	0.018	14
p-Chloroaniline	106-47-8	0.46	16
p-Cresol	106-44-5	0.77	5.6
(difficult to distinguish from m-cresol)			
p-Dichlorobenzene	106-46-7	0.09	6
p-Dimethylaminoazobenzene	60-11-7	0.13	NA
p-Nitroaniline	100-01-6	0.028	28
p-Nitrophenol	100-02-7	0.12	29
Parathion	56-38-2	0.014	4.6
Pebulate [6]	1114-71-2	0.042	1.4
PeCDDs (All Pentachlorodibenzo-p-dioxins)	N/A	0.000063	0.001
PeCDFs (All Pentachlorodiebenzofurans)	N/A	0.000035	0.001
Pentachlorobenzene	608-93-5	0.055	10
Pentachloroethane	76-01-7	0.055	6
Pentachloronitrobenzene	82-68-8	0.055	4.8
Pentachlorophenol	87-86-5	0.089	7.4
Phenacetin	62-44-2	0.081	16
Phenanthrene	85-01-8	0.059	5.6
Phenol	108-95-2	0.039	6.2
Phorate	298-02-2	0.021	4.6
Phthalic acid	100-21-0	0.055	28
Phthalic anhydride	85-44-9	0.055	28
Physostigmine [6]	57-47-6	0.056	1.4
Physostigmine salicylate [6]	57-64-7	0.056	1.4
Promecarb [6]	2631-37-0	0.056	1.4
Pronamide	23950-58-5	0.093	1.5
Propham [6]	122-42-9	0.056	1.4
Propoxur [6]	114-26-1	0.056	1.4
Prosulfocarb [6]	52888-80-9	0.042	1.4
Pyrene	129-00-0	0.067	8.2
Pyridine	110-86-1	0.014	16
Safrole	94-59-7	0.081	22
Silvex (2,4,5-TP)	93-72-1	0.72	7.9
1,1,1,2-Tetrachloroethane	630-20-6	0.057	6
1,1,1-Trichloroethane	71-55-6	0.054	6
1,1,2,2-Tetrachloroethane	79-34-5	0.057	6
1,1,2-Trichloro-2,2,2-trifluoroethane	76-13-1	0.057	30
1,1,2-Trichloroethane	79-00-5	0.054	6

1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
1,2,4-Trichlorobenzene	120-82-1	0.055	19
1,2,3-Trichloropropane	96-18-4	0.85	30
2,3,4,6-Tetrachlorophenol	58-90-2	0.03	7.4
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	93-76-5	0.72	7.9
2,4,5-Trichlorophenol	95-95-4	0.18	7.4
2,4,6-Trichlorophenol	88-06-2	0.035	7.4
TCDDs (All Tetrachlorodibenzo-p-dioxins)	N/A	0.000063	0.001
TCDFs (All Tetrachlorodiebenzofurans)	N/A	0.000063	0.001
Tetrachloroethylene	127-18-4	0.056	6
Thiodicarb [6]	59669-26-0	0.019	1.4
Thiophanate-methyl [6]	23564-05-8	0.056	1.4
Toluene	108-88-3	0.08	10
Total PCBs	1336-36-3	0.1	10
(sum of all PCB isomers, or all Aroclors)			
Toxaphene	8001-35-2	0.0095	2.6
Triallate [6]	2303-17-8	0.042	1.4
Trichloroethylene	79-01-6	0.054	6
Trichloromonofluoromethane	75-69-4	0.02	30
Triethylamine [6]	101-44-8	0.081	1.5
tris-(2,3-Dibromopropyl) phosphate	126-72-7	0.11	0.1
Vernolate [6]	1929-77-7	0.042	1.4
Vinyl chloride	75-01-4	0.27	6
Xylenes-mixed isomers	1330-20-7	0.32	30
(sum of o-, m-, and p-xylene concentrations)			

II. Inorganic Constituents			
<input type="checkbox"/>	Antimony	7440-36-0	1.9 * 1.15 mg/l TCLP
<input type="checkbox"/>	Arsenic	7440-38-2	1.4 * 5.0 mg/l TCLP
<input type="checkbox"/>	Barium	7440-39-3	1.2 * 21.0 mg/l TCLP
<input type="checkbox"/>	Beryllium	7440-41-7	0.82 * 1.22 mg/l TCLP
<input type="checkbox"/>	Cadmium	7440-43-9	0.69 * 0.11 mg/l TCLP
<input type="checkbox"/>	Chromium (Total)	7440-47-3	2.77 * 0.60 mg/l TCLP
<input type="checkbox"/>	Cyanides (Amenable) [4]	57-12-5	0.86 30
<input type="checkbox"/>	Cyanides (Total) [4]	57-12-5	1.2 590
<input type="checkbox"/>	Fluoride [5]	16984-48-8	35 NA
<input type="checkbox"/>	Lead	7439-92-1	0.69 * 0.75 mg/l TCLP
<input type="checkbox"/>	Mercury - All others	7439-97-6	0.15 * 0.025 mg/l TCLP
<input type="checkbox"/>	Mercury - Retort nonwastewater	7439-97-6	NA * 0.20 mg/l TCLP
<input type="checkbox"/>	Nickel	7440-02-0	3.98 * 11.0 mg/l TCLP
<input type="checkbox"/>	Selenium	7782-49-2	0.82 * 5.7 mg/l TCLP
<input type="checkbox"/>	Silver	7440-22-4	0.43 * 0.14 mg/l TCLP
<input type="checkbox"/>	Sulfide	18496-25-8	14 NA
<input type="checkbox"/>	Thallium	7440-28-0	1.4 * 0.2 mg/l TCLP
<input type="checkbox"/>	Vanadium [4]	7440-62-2	4.3 * 1.6 mg/l TCLP
<input type="checkbox"/>	Zinc [5]	7440-66-6	2.61 * 4.3 mg/l TCLP

I certify that the above is true and correct to the best of my knowledge.

Ron Smith
Authorized Name (Print)

EH&S MANAGER
Title

Ronald Smith
Authorized Signature

8/22/08
Date



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

40¢/gal, 500 - freight + FSC

2. Contamination Limit (maximum limit before surcharges apply):

Must conform to profile

3. Surcharge Pricing:

4. Special Testing Requirements:

check flash, pH, toc, density, [adjust pH with sulfuric]
phenols

5. Treatment and Handling Protocol:

Process to system 1 after step 4

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☒ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

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8. Management for Product Recovered/Recycled (if applicable)

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2982

Afton Chemical Corporation



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 9/9/2008

Dear Ed Cox

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2982

Expiration Date 9/9/2010

Producer: Afton Chemical Corporation

Address:

Suget, IL 62201

Material / Product Information

Name of Material / Product Afton viscosity modifier w/flush oil

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Afton viscosity modifier w/flush oil

Color: varies

Odor: varies

pH: 3-11

Physical State:

Incompatibilities: strong oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DRP



CES Environmental
Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

JB

SECTION 1: Material Producer Information

Company: Afton Chemical Corporation
Address: 501 Monsanto Avenue
City, State, Zip: Suget, IL 66201
Contact: Ed Cox Title:
Phone No: (618) 583-1078 Fax No: (618) 583-1388
24/hr Phone: (618) 583-1078
U.S. EPA I.D. No: na
State I.D. na SIC Code: na

SECTION 2: Billing Information - ☒ Same as Above

Company:
Address:
City, State, Zip:
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Material / Product

Name of Material / Product: Afton Viscosity Modifier w/ flush oil
Detailed Description of Process Generating or Producing the Material / Product:

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Varied Odor: Varied

Specific Gravity (water=1): Varied Density: lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☐ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☐ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size: 55 gal

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): Varied Other:

Produce
Proper U.S. DOT Shipping Name: Non RCRA Non DOT Regulated Material

Class: na UN/NA: na PG: na RQ: na

Flash Point 7200°F	pH 3-11	N/A	N/A	Solids 2/ %
Oil & Grease 2500 mg/l	TOC NA mg/l	Zinc NA mg/l	Copper NA mg/l	Nickel NA mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
(Neutral Oil w/ Viscosity Modifier)	100	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.
See MSDS in shared drive: Customer MSDS: Afton

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Strong Oxidizers

SECTION 8: Material Producer's Certification

The information contained herein is based on ☐ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u>Robert Thyn</u>	
Date: <u>9-9-08</u>	(Approved) Rejected
Approval Number: <u>2982</u>	

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

Pay \$0.15 FOB CES.
No Payment / No charge for backhauled loads by CES. Pay \$0.019 / pound

2. Contamination Limits (maximum limit before surcharges apply):

Very thick material. If operations manager thinks this material is so thick to consume too many man hours then there may be no payment for material. If damaged drums are in own packs + operations determines too many man hours need there will be no payment.

3. Surcharge Pricing:

4. Special Testing Requirements:

Pull retain sample. If thin enough in consistency, the material should be bulked into CES base oil. ~~Record~~ Record consistency, volume and drum inventory and report to product sales. ~~Record consistency, volume and drum inventory and report to product sales.~~

5. Treatment and Handling Protocol:

Process as base oil according to product sales and operations manager determination. Material is very thick & viscous. Have product sales and ops. manager look at sample.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable):

--

One example



Material Safety Data Sheet

(b) (4)

A large, solid black rectangular box covers the majority of the page, indicating that the content has been redacted under FOIA exemption (b)(4). The text "(b) (4)" is printed in red at the top left corner of this redacted area.

(b) (4)



(b) (4)



(b) (4)



EPAHO110002185

(b) (4)



*** END OF MSDS ***

2979
Mission Petroleum Casariens



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/5/2008

Dear John Featherly

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2979

Expiration Date 9/5/2010

Generator: Mission Petroleum Carriers, Inc., Angleton

Address: 28318 FM 2004
Angleton, TX 77519

Waste Information

Name of Waste: Tank sludge

TCEQ Waste Code #: 83091192

Container Type:

Detailed Description of Process Generating Waste:

Sludge from the clean out of a tank. The tank contained rinsewater from trailer cleanout

Color: dirty brown Odor: n/a pH: 7-8

Physical State:

Incompatibilities: n/a

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

- CERTIFICATE OF RESULTS -

MES Lab#: 8080303

Client Sample ID: #4

Project#: 1

Extended ID: Mission Petroleum

Sample Collect Date: 8/19/2008 @ 8:00:00 AM

Sample Type: Comp

Sample Receipt Date: 8/19/2008 @ 12:30:00 PM

Total Petroleum Hydrocarbons Solid				Analyst: HDG	
Method: TNRCC 1005	MDL	Result	Units	Date / Time	
C6 C12 Hydrocarbons	4	289	mg/kg	9/5/2008 /	11:16 AM
>C12 - C28 Hydrocarbons	8	526	mg/kg	9/5/2008 /	11:16 AM
>C28 - C36 Hydrocarbons	8	< 8	mg/kg	9/5/2008 /	11:16 AM
Total TPH	20	815	mg/kg	9/5/2008 /	11:16 AM
TCLP Mercury				Analyst: JA	
Method: SW-846 7470A	MDL	RL	Result	Date / Time	
Mercury	0.0002	0.2	< 0.0002 mg/L	8/22/2008 /	6:47 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit


Holland D. Gilmore, Laboratory Manager

Friday, September 05, 2008

Date

Report Date: 05-Sep-08

Page 3 of 3

Mercury Environmental Services, Inc.

6915 HWY 225, Deer Park, TX 77536
Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services
4904 Griggs Rd
Houston, TX 77021

Phone: (713) 676-1460
Fax: (713) 748-8664

Attn: Steve Stricken

- CERTIFICATE OF RESULTS -

MES Lab#: 8080303

Client Sample ID: #4
Extended ID: Mission Petroleum

Project#: 1

Sample Collect Date: 8/19/2008 @ 8:00:00 AM
Sample Receipt Date: 8/19/2008 @ 12:30:00 PM

Sample Type: Comp

Test Group / Method

Reactivity, Recoverable Hydrogen Cyanide				Analyst: CL	
Method: 7.3.3.2	MDL	Result	Units	Date / Time	
Hydrogen Cyanide	0.25	< 0.25	mg/kg	8/22/2008 / 2:30 PM	
Reactivity, Recoverable Hydrogen Sulfide				Analyst: CL	
Method: 7.3.4.2	MDL	Result	Units	Date / Time	
Hydrogen Sulfide	0.25	< 0.25	mg/kg	8/25/2008 / 8:30 AM	
Corrosivity: pH				Analyst: JE	
Method: SW-846 9045	MDL	Result	Units	Date / Time	
pH		7.58		8/20/2008 / 11:30 AM	
TCLP Volatiles				Analyst: HDG	
Method: SW-846 8260B	MDL	RL	Result	Units	Date / Time
Vinyl chloride	1.00	0.2	< 1.00	mg/L	8/27/2008 / 1:49 AM
1,1-Dichloroethene	0.50	0.7	< 0.50	mg/L	8/27/2008 / 1:49 AM
2-Butanone	5.00	200	< 5.00	mg/L	8/27/2008 / 1:49 AM
Chloroform	0.50	6	< 0.50	mg/L	8/27/2008 / 1:49 AM
Carbon tetrachloride	0.50	0.5	< 0.50	mg/L	8/27/2008 / 1:49 AM
1,2-Dichloroethane	0.50	0.5	< 0.50	mg/L	8/27/2008 / 1:49 AM
Benzene	0.50	0.5	< 0.50	mg/L	8/27/2008 / 1:49 AM
Trichloroethene	0.50	0.5	< 0.50	mg/L	8/27/2008 / 1:49 AM
Tetrachloroethene	0.50	0.7	< 0.50	mg/L	8/27/2008 / 1:49 AM
Chlorobenzene	0.50	100	< 0.50	mg/L	8/27/2008 / 1:49 AM
1,4-Dichlorobenzene	0.50	7.5	< 0.50	mg/L	8/27/2008 / 1:49 AM
Hexachlorobutadiene	0.50	0.5	< 0.50	mg/L	8/27/2008 / 1:49 AM
TCLP Metals (R)				Analyst: JCA	
Method: SW-846 6010B	MDL	RL	Result	Units	Date / Time
Arsenic	0.014	5	< 0.014	mg/L	8/22/2008 / 3:20 PM

Report Date: 05-Sep-08

Page 1 of 3

- CERTIFICATE OF RESULTS -

MES Lab#: 8080303

Client Sample ID: #4

Project#: 1

Extended ID: Mission Petroleum

Sample Collect Date: 8/19/2008 @ 8:00:00 AM

Sample Type: Comp

Sample Receipt Date: 8/19/2008 @ 12:30:00 PM

Barium	0.0005	100	0.164	mg/L	8/22/2008 / 3:20 PM
Cadmium	0.002	1	< 0.002	mg/L	8/22/2008 / 3:20 PM
Chromium	0.002	5	< 0.002	mg/L	8/22/2008 / 3:20 PM
Lead	0.005	5	< 0.005	mg/L	8/22/2008 / 3:20 PM
Selenium	0.024	1	< 0.024	mg/L	8/22/2008 / 3:20 PM
Silver	0.002	5	< 0.002	mg/L	8/22/2008 / 3:20 PM

TCLP Pesticides					Analyst: HDG
Method: SW-846 8081A	MDL	RL	Result	Units	Date / Time
Chlordane	0.0002	0.03	< 0.0002	mg/L	8/29/2008 / 6:09 AM
Endrin	0.0004	0.02	< 0.0004	mg/L	8/29/2008 / 6:09 AM
Heptachlor	0.0002	0.008	< 0.0002	mg/L	8/29/2008 / 6:09 AM
Lindane	0.0002	0.4	< 0.0002	mg/L	8/29/2008 / 6:09 AM
Heptachlor epoxide	0.0002	0.04	< 0.0002	mg/L	8/29/2008 / 6:09 AM
Toxaphene	0.02	0.5	< 0.02	mg/L	8/29/2008 / 6:09 AM
Methoxychlor	0.002	10	< 0.002	mg/L	8/29/2008 / 6:09 AM

TCLP Herbicides					Analyst: HDG
Method: SW-846 8151A	MDL	RL	Result	Units	Date / Time
2,4-D	0.3	10	< 0.3	mg/L	8/29/2008 / 7:15 AM
2,4,5-TP (Silvex)	0.2	1	< 0.2	mg/L	8/29/2008 / 7:15 AM

TCLP Sem-Volatiles					Analyst: JAC
Method: SW-846 8270C	MDL	RL	Result	Units	Date / Time
Pyridine	0.05	5	< 0.05	mg/L	8/26/2008 / 7:51 PM
1,4-Dichlorobenzene	0.05	7.5	< 0.05	mg/L	8/26/2008 / 7:51 PM
o-Cresol	0.05	200	< 0.05	mg/L	8/26/2008 / 7:51 PM
m+p-Cresol	0.05	200	< 0.05	mg/L	8/26/2008 / 7:51 PM
Hexachloroethane	0.05	3	< 0.05	mg/L	8/26/2008 / 7:51 PM
Nitrobenzene	0.05	2	< 0.05	mg/L	8/26/2008 / 7:51 PM
Hexachlorobutadiene	0.06	0.5	< 0.05	mg/L	8/26/2008 / 7:51 PM
2,4,6-Trichlorophenol	0.05	2	< 0.05	mg/L	8/26/2008 / 7:51 PM
2,4,5-Trichlorophenol	0.05	400	< 0.05	mg/L	8/26/2008 / 7:51 PM
2,4-Dinitrotoluene	0.05	0.13	< 0.05	mg/L	8/26/2008 / 7:51 PM
Hexachlorobenzene	0.05	0.13	< 0.05	mg/L	8/26/2008 / 7:51 PM
Pentachlorophenol	0.50	100	< 0.50	mg/L	8/26/2008 / 7:51 PM

Ignitability					Analyst: DEB
Method: SW-846 1010	MDL		Result	Units	Date / Time
Flashpoint			>150	deg F	8/20/2008 / 11:45 AM
Result is > 160					

Report Date: 05-Sep-08

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8080303

**MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT**

SURROGATE SPIKE RECOVERY FOR PESTICIDES	% REC
Decachlorobiphenyl	56.7
Tetrachloro-metaxylene	52.2

SURROGATE SPIKE RECOVERY FOR VOLATILES	% REC
Dibromofluoromethane	113
Toluene-d8	98
4-Bromofluorobenzene	174

SURROGATE SPIKE RECOVERY FOR SEMIVOLATILES	% REC
2-Fluorophenol	56
Phenol-d6	48
Nitrobenzene-d5	64
2-Fluorobiphenyl	68
2,4,6-Tribromophenol	64
p-Terphenyl-d14	88

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	MS %REC	MSD %REC	RPD
Arsenic	< 0.002	94	94	0.7	< 0.002	91	76.4	77.2	1.04
Barium	< 0.002	105.0	105	0.43	< 0.002	101	65.2	67.7	3.8
Cadmium	< 0.001	109.4	110.9	1.32	< 0.001	107	70.9	72.0	1.5
Chromium	< 0.001	109	107	2.50	< 0.001	103	70.0	72.2	3.0
Lead	< 0.002	106.1	109.2	2.90	< 0.002	107	67.7	71.9	6.1
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0			
Selenium	< 0.024	108.1	91.4	16.7	< 0.024	87	64.9	61.8	5.0
Silver	< 0.001	110	109	0.91	< 0.001	104	73.4	75.6	3.06

Mercury Environmental Services, Inc.

8080303

**MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT****ANALYTE** **STD**

Flashpoint 82°F

ANALYTE	BUFFER 7.0	ORIG	DUP	RPD
pH	7.0	6.96	6.96	0.00

ANALYTE	ORIG mg/kg	DUP mg/kg	RPD
Reactivity as Hydrogen Sulfide	< 0.25	< 0.25	0.00

ANALYTE	ORIG mg/kg	DUP mg/kg	RPD	STD %REC
Reactivity as Hydrogen Cyanide	< 0.25	< 0.25	0.00	99

ANALYTES	METHOD TPH1005	MB mg/kg	CCV %REC	MS %REC	MSD %REC
C6-C12		< 4	119.2	106.2	124.4
C12-C28		< 8	120.1	105.6	123.4

Key to QA Abbreviations

MS=Matrix Spike
RPD=Relative Percent Deviation
LCS=Laboratory Control Standard
CCB=Continuing Calibration Blank
MDL=Minimum Detection Limit

MSD=Matrix Spike Duplicate
MB=Method Blank
CCV=Continuing Calibration Verification
%Rec=Percent Recovery
RL=Regulatory Limit

Signature: 

Holland D. Gilmore / Laboratory Director

September 5, 2008

Mercury Environmental Services, Inc.



CHAIN OF CUSTODY

Page ____ of ____

MERCURY ENVIRON LABORATORIES, LLC.
6913 Hwy. 225, Deer Park, TX 77536
(281) 476-4534 / (800) 771-4837
Fax: (281) 476-4406 / After Hours: (281) 844-2309
e-mail: mesenv@aol.com

Results To: <u>Steve Stricker</u>		Invoice To: <u>CBS Environmental</u>		TAT (WORKING DAYS) CIRCLE ONE 1 2 3 <u>5</u>										
Company: <u>CBS Environmental</u>		Company: Same		LAB LOT #	CDC Present? Yes No									
Address: <u>1404 Gregg Rd</u>		Address:		Shipment Sealed? Yes No	Samples Sealed? Yes No									
City: <u>Houston TX</u> State: <u>TX</u> Zip: <u>77021</u>		City: State: Zip:		Received on ice? Yes No	Samples Intact? Yes No									
Phone: <u>281-433-7052</u>		Phone:		Cooler Temp. (°C)	Preservative Shown? Yes No NA									
Fax: <u>713-676-1676</u>		Fax:												
e-Mail:		PO#:		Quote#:										
Project Name: <u>Mission Petroleum</u>		Sampler Remarks:		Hold Time OK? Yes No	Res. C12 Check OK? Yes No NA									
Project Location: <u>28318 FM 2004</u>				pH Check OK? Yes No NA	CDC & Labels Agree? Yes No									
Project No: <u>#1</u>				Remarks, Added Tests, Special Limits										
Sampler (Print): <u>Steve Stricker</u>														
Sampler (Sign): <u>[Signature]</u>														
MEL USE ONLY (LAB NO.)	YOUR SAMPLE ID.	DATE/TIME SAMPLED	1 MATRIX	(C)OMP / (G)RAB	BTEX (8021B)	TPH (TX1005.3)	RCI	PAH	VOLATILES	SEMI-VOLS	PCRA 8 METALS	Herbicide	Pesticide	TOTAL EPA/CCLP
1) <u>#1</u>		<u>8-19-08 8:20</u>		X			X		X	X	X	X	X	
2)														
3)														
4)														
5)														
6)														
7)														
8)														
9)														
10)														
Relinquished By (Sign): <u>[Signature]</u>	Print Name: <u>Steve Stricker</u>	Company: <u>CBS</u>	Date: <u>8-19-08</u>	Time: <u>12:30</u>	Received By (Sign): <u>[Signature]</u>	Print Name: <u>BRAUN HARDRAVE</u>	Company: <u>MEL</u>	Date: <u>8/19/08</u>	Time: <u>12:30</u>					
Relinquished By (Sign): <u>[Signature]</u>	Print Name:	Company:	Date:	Time:	Received By (Sign):	Print Name:	Company:	Date:	Time:					
Relinquished By (Sign):	Print Name:	Company:	Date:	Time:	Received By (Sign):	Print Name:	Company:	Date:	Time:					

Matrix Key

S: Soil W: Water WW: Waste Water SL: Sludge SO: Solid SE: Sediment L: Leachate WL: Wipe OR: Organic OL: Oil DS: Drum Solid DL: Drum Liquid O: Other

Container Type Key

P: Plastic G: Glass V: VOA Glass O: Other

Preservative Key

1: Ice (<4°C) 2: HCL 3: H2SO4 4: HNO3 5: NaOH 6: NaOH + Zn Acetate 7: Na2S2O3 8: None

Note: Delivery of samples constitutes acceptance of terms and conditions in the Price Schedule.

8060803

EPAHQ110002194


**CES Environmental
Services, Inc.**

 4904 Griggs Road, Houston, TX 77021
 Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator Information

 Company: Mission Petroleum Carriers

 Address: 28318 FM 2004

 City: Angleton

 State: TX

 Zip: 77515

 Contact: John Featherly

Title:

 Phone Number: 713-943-8250

 Fax Number: 713-943-080

24/hr Phone Number:

 US EPA ID No: TXD980623979

 State ID No: 31793

 SIC Code: 8179
SECTION 2: Billing Information -
☒ Same as Above

Company:

Address:

City:

State:

Zip:

Contact:

Title:

Phone Number:

Fax Number:

SECTION 3: General Description of the Waste

 Name of Waste: Tank Sludge

Detailed Description of Process Generating Waste:

Sludge from the clean out of a tank. The tank contained rinsewater from trailer cleanup

Physical State:

☐

Liquid

☒

Sludge

☐

Powder

☐

Solid

☐

Filter Cake

☐

Combination

 Color: Dirty Brown

Odor:

N/A

 Specific Gravity (water=1): 2.1

Density:

8

lbs/gal

Does this material contain any total phenolic compounds?

☐

Yes

☒

No

Does this material contain any para substituted phenolic compounds?

☐

Yes

☒

No

 Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart F)
 Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812

2813

2816

2819

2821

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2844

2845

2861

2865

2869

2873

2874

2876

2879

2891

2892

2893

2896

2899

2911

3312

4953

4959

9511

Layers:

☒

Single-phase

☐

Multi-phase

Container Type:

☐

Drum

☐

Tote

☒

Truck

☐

Other (explain)

Frequency:

☐

Weekly

☐

Monthly

☐

Yearly

☒

One-Time

 Quantity: 50YD

JB
JR
This profile needs analytice
for DTPH @ RCRA metals
@ RC1 @ TCLP volatiles
@ TCLP semi-volatiles

Thanks,
Robbie

Is this a USEPA "Hazardous Waste" per 40CFR 261.3?

☐ Yes☐ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", Is it:

☐ D001 (Ignitable)

☐ D002 (Corrosive)

☐ D003 (Relative)

Characteristic for Toxic Metals:

D004

☐ D005

D006

☐ 2:00

☐ D008

D009

☐ D010

D011

Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one?

☐ Yes

✓ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

☐ **Yes**☒ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code Number:

83091192

Proper US DOT Shipping Name:

Non-Hazardous, Non-Regulated Sludge

Class: **UN/NA:**

UN/NA:

PG:

RQ:

Flash Point		pH		Reactive Sulfides		Reactive	Cyanides	Solids	
>200		7-8		0 <u>mg/l</u>		0	<u>mg/l</u>	15-20	%
Oil & Grease		TOC		Zinc		Copper	Nickel		
	<u>mg/l</u>	BRL	<u>mg/l</u>	BRL	<u>mg/l</u>	BRL	<u>mg/l</u>	BRL	<u>mg/l</u>

SECTION 4: Physical and Chemical Data

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. Analytical, ID#8080303

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

N/A

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:

TCLP Volatiles:

TCLP Semi-Volatiles:

Reactivity:

Corrosivity:

Ignitability:

SECTION 9: Waste Receipt Classification Under 40 CFR 497 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?

☐

YES

☒

NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of component properties exist and that all known or suspected hazards have been disclosed. I certify that materials tested are representative of all materials described by this document.

Authorized Signature: _____

Printed Name/Title: John Feaghrly

Date: 9-2-08

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Robert Blayden

Date: 9-5-08

Approval Number: 2979

☒ Approved☐ Rejected




4904 GRIGGS
HOUSTON, TX 77021

FACSIMILE TRANSMITTAL SHEET

TO:	John Featherly	FROM:	Jenny Rust
COMPANY:	Mission	DATE:	8/29/2008
fax number:	713-944-6080	TOTAL NO. OF PAGES INC.	5
PHONE NUMBER:		RE:	Profile

Good Afternoon

Attached is the profile for the material that resulted from the recent tank clean out in Angleton. Please review (add state waste code), sign, date & return at your earliest convenience. Once we receive this profile back we can schedule the pick up of the boxes.

TO: Jenny Rust 
FROM: JWF

Jennifer Rust — CSR / Inside Sales

Office: 713-676-1460
Direct: 713-800-7913
Cell: 713-367-8581
Fax: 713-676-1676



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

\$ 35/ yd

2. Contamination Limit (maximum limit before surcharges apply):

N/A

3. Surcharge Pricing:

N/A

4. Special Testing Requirements:

DH₂ Flash Test

5. Treatment and Handling Protocol:

Redirect to Republic

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--

2980

Infinium



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 9/8/2008

Dear Brian Codd

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2980

Expiration Date 9/8/2010

Producer: Infineum

Address: Park & Brunswick Avenues
Linden, NJ 07036

Material / Product Information

Name of Material / Product Heavy polyamine

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Mixture of polyamines

Color:

Odor:

pH: na

Physical State:

Incompatibilities: strong oxidizing agents, acids, epoxides, aldehydes, ketones,
acrylates, organic halides

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110002203

YRP
Heavy Polyamine cannot be treated and disposed of CES w/lor fuels. The pH may be a 10.02. If so the material will be hazardous. Material will need to process to sludge processing it can be. If there is a very strong ammonia odor it has to be handled a couple of times at a time.

THIS IS NOT A PRODUCT FOR CES.

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

YK
SR

Cannot go to Fuels or WW.

SECTION 1: Material Producer Information

Company: Infineum USA L.P.
Address: Park & Brunswick Avenues-P.O. Box 719
City, State, Zip: 908-474-7273 Linden, NJ 07036
Contact: Nick Barboza Title: Logistics Engineer
Phone No: 908-474-3084 Fax No: 908-474-7273
24/hr Phone: _____
U.S. EPA I.D. No: _____
State I.D. _____ SIC Code: _____

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Material / Product

Name of Material / Product: Heavy Polyamine

Detailed Description of Process Generating or Producing the Material / Product: Mixture of Polyamines

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: _____ Odor: _____

Specific Gravity (water=1): 1.02 Density: 8.5 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 gal _____

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 21 Other: _____

Proper U.S. DOT Shipping Name: Product

Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point 302f	pH n/a	N/A	N/A	Solids 0%
Oil & Grease mg/l	TOC mg/l	Zinc mg/l	Copper mg/l	Nickel mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Heavy Poly amine	100%	

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.

Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Strong oxidizing agents, Acids, Peroxides, aldehydes, ketones, acrylates + organic halides

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: 9-8-08

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Technical Manager: Robert Thompson

Date: 9-8-08 ☒ Approved ☐ Rejected

Approval Number: 2980

- Do water extraction and check pH
- Mix with other "(E) Non-Haz fuel"
to ensure no adverse reaction
- segregate and mix with other
"(E) Non-Haz. fuel"
Change #60/drum

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

Charge \$60/drum for disposal.

2. Contamination Limits (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

~~TC, pH, Flash point, H₂O, BSL, BSL~~
pH, Flash point
↖ ON water extraction

5. Treatment and Handling Protocol: 1st choice = Put with CES Non-Haz. fuel

2nd Sludge box - it very strong ammonia odor only 1-2 drums can be handled at a time.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C

7. **Tests for Product Recovered/Recycled (if applicable):**

Suitability for CES ~~Rec~~
Non-Haz. fuel

8. **Management for Product Recovered/Recycled (if applicable):**

Goes into CES Non-Haz fuels. Mix with other CES, no adverse reactions

MATERIAL SAFETY DATA SHEET

Infineum

DATE PREPARED: MAY 9, 2000
MSDS NO.: 32977000

HEAVY POLYAMINE

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY:

Strong oxidizing agents.
Acids, epoxides, aldehydes, ketones, acrylates and organic halides.

HAZARDOUS DECOMPOSITION PRODUCTS:

Ammonia, Ethylenediamine, Diethylenetriamine

SECTION 11 TOXICOLOGICAL INFORMATION

Please refer to Section 3 for available information on potential health effects.

SECTION 12 ECOLOGICAL INFORMATION

No specific ecological data are available for this product. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

SECTION 13 DISPOSAL CONSIDERATIONS

Please refer to Sections 5, 6 and 15 for disposal and regulatory information.

SECTION 14 TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT):
This product is not DOT regulated.

SECTION 15 REGULATORY INFORMATION

TSCA:

All of the components of this product are listed on the TSCA Inventory.

CERCLA:

MATERIAL SAFETY DATA SHEET

Infineum

DATE PREPARED: MAY 9, 2000
MSDS NO.: 32977000

HEAVY POLYAMINE

If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act. We recommend you contact local authorities to determine if there may be other local reporting requirements.

SARA TITLE III:

Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories:

Immediate health, Delayed Health.

This information may be subject to the provisions of the Community Right-to-Know Reporting Requirements (40 CFR 370) if threshold quantity criteria are met.

This product does not contain Section 313 Reportable Ingredients.

SECTION 16 OTHER INFORMATION

HAZARD RATING SYSTEMS:

This information is for people trained in:
National Paint & Coatings Association's (NPCA)
Hazardous Materials Identification System (HMIS)
National Fire Protection Association (NFPA 704)
Identification of the Fire Hazards of Materials

	NPCA-HMIS	NFPA 704	KEY
HEALTH	3	3	4 = Severe
FLAMMABILITY	1	1	3 = Serious
REACTIVITY	0	0	2 = Moderate
			1 = Slight
			0 = Minimal

CAUTION: HMIS ratings are based on a 0-4 rating scale with 1 representing minimal hazards or risks, and 4 representing significant hazards or risks. Recommended HMIS ratings should not be used in the absence of a fully implemented HMIS hazard communication program.

REVISION SUMMARY:

Since September 10, 1999 this MSDS has been revised in Section(s):
2, 3, 7, 8, 14

REFERENCE NUMBER:

SUPERSEDES ISSUE DATE:

MATERIAL SAFETY DATA SHEET

Infineum

DATE PREPARED: MAY 9, 2000
MSDS NO.: 32977000

HEAVY POLYAMINE

HDHA-B-11843

September 10, 1999

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the users responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

LAST PAGE

(24 drums) 21 Drums per Nick 8/15

MATERIAL SAFETY DATA SHEET

(b) (4)



(b) (4)



(b) (4)



(b) (4)



(b) (4)



2981

Afton Chemical Corporation



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 9/9/2008

Dear Ed Cox

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2981

Expiration Date 9/9/2010

Producer: Afton Chemical Corporation

Address:

Suget, IL 62201

Material / Product Information

Name of Material / Product Afton viscosity modifier

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Afton viscosity modifier

Color: varies

Odor: varies

pH: 3-11

Physical State:

Incompatibilities: strong oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

JP



**CES Environmental
Services, Inc.**

JB

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Material Producer Information

Company: Afton Chemical Corporation
Address: 501 Monsanto Avenue
City, State, Zip: Suget, IL 66201
Contact: Ed Cox Title:
Phone No: (618) 583-1078 Fax No: (618) 583-1388
24/hr Phone: (618) 583-1078
U.S. EPA I.D. No: na
State I.D. na SIC Code: na

SECTION 2: Billing Information - ☒ Same as Above

Company:
Address:
City, State, Zip:
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Material / Product

Name of Material / Product: Afton Viscosity Modifier
Detailed Description of Process Generating or Producing the Material / Product: _____

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: varies Odor: varies

Specific Gravity (water=1): varies Density: varies lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 gal

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): varies Other: _____

Proper U.S. DOT Shipping Name: Product Non RCRA Non DOT Regulated Material

Class: na UN/NA: na PG: na RQ: na

Flash Point 2200°F	pH 3-11	N/A	N/A	Solids ✓ %
Oil & Grease 21500 mg/l	TOC NA mg/l	Zinc NA mg/l	Copper NA mg/l	Nickel NA mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
(See MSDS)		
Viscosity Modifier	100	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.
See MSDS on shared drive : Customer MSDS : Aftm

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Strong Oxidizers

SECTION 8: Material Producer's Certification

The information contained herein is based on ☐ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: None required - product Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u>[Signature]</u>	
Date: <u>9-9-08</u>	<input checked="" type="radio"/> Approved <input type="radio"/> Rejected
Approval Number: <u>2981</u>	

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

Pay \$0.15/gal FOB CES
No charge / No payment if backhauled by CES
Pay \$.019/pound

2. Contamination Limits (maximum limit before surcharges apply):

If damaged drums are in an overpack and operations determines that too many man hours are needed to recover the materials then there will be no payment.

3. Surcharge Pricing:

4. Special Testing Requirements:

Pull retain sample. Record drum number and quantity on drum inventory and give to product sales.

5. Treatment and Handling Protocol:

~~Either~~ Communicate with product sales person to determine if material needs to be bulked or sold-as-is.
If needs to be bulked, dehead drums and bulk into 55 gal containers. Notify product sales when ready to ship.
Scrape drums before shredding

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

See special testing

8. Management for Product Recovered/Recycled (if applicable):

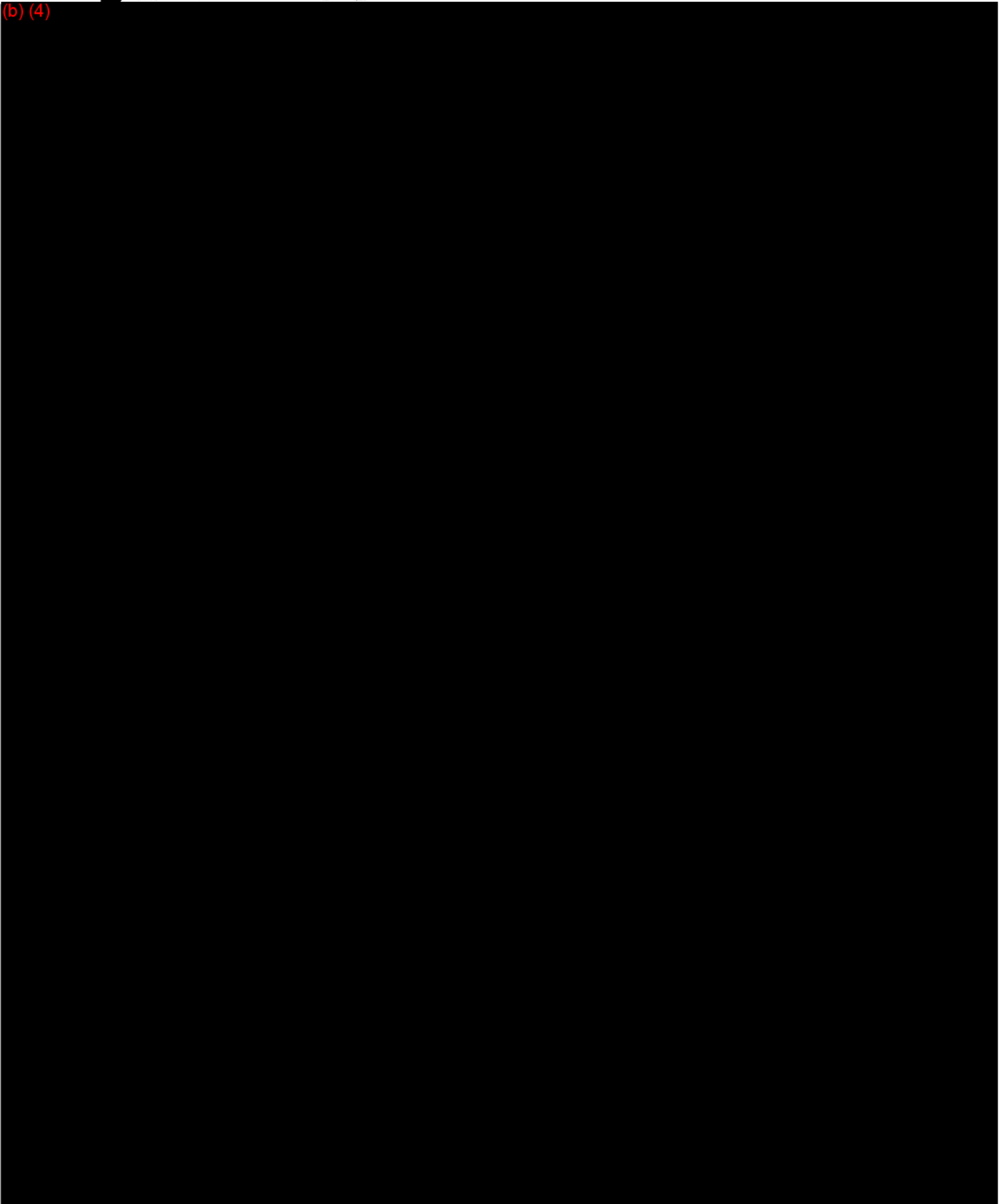
see treatment and handling protocol

One example



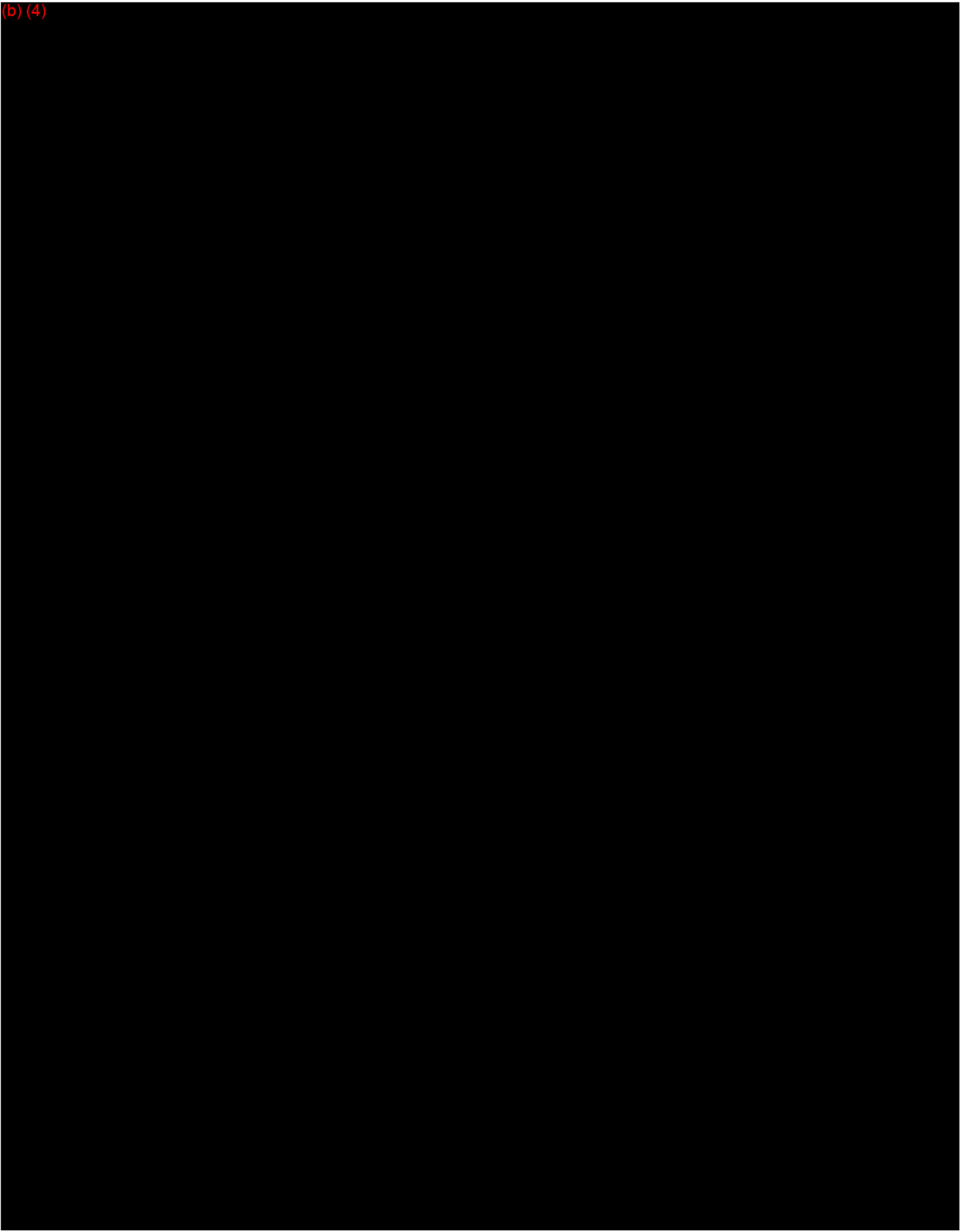
Material Safety Data Sheet

(b) (4)



(b) (4)





(b) (4)



*** END OF MSDS ***

2984

Ball Corporation - Ft. Worth



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/15/2008

Dear Wes Rodman

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2984

Expiration Date 9/15/2010

Generator: Ball Corporation - Ft. Worth

Address: 6600 Will Rogers Blvd.
Fort Worth, TX 76140

Waste Information

Name of Waste: Recyclable Used Oil

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

used hydraulic and animal oils from the aluminum can making process

Color: light brown

Odor: hydrocarbon

pH: na

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level D PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

DB

SECTION 1: Generator Information

Company : Ball Corporation - Ft. Worth
Address : 6600 Will Rogers Blvd. Allegiant Global Services - 3719 W. 96th St
City, State, Zip : Fort Worth TX 76140
Contact : Marty Title :
Phone No : (817) 538-6267 Fax :
24 / HR Phone : (936) 760-2255
U.S EPA I.D No : TXCESQ
State I.D : CESQ SIC Code na

SECTION 2: Billing Information

Company : Ball Corporation - Ft. Worth
Address : 6600 Will Rogers Blvd. Allegiant Global Services - 3719 W. 96th St
City, State, Zip : Fort Worth TX 76140
Contact : Marty Title : Re-Certification fax 317-334-2050)Ken W
Phone No : Fax :

SECTION 3: General Description of the Waste

Name of Waste : Recyclable Used Oil

Detailed Description of the Process Generating Waste:

Used hydraulic oil and animal oils from the aluminum can making process.

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : Light Brown Odor : None

Specific Gravity (Water=1) : .9 Density : 7-8.12 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers : ☒ Single-Phas ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size : 5000

Number Of Units : 1

Is this a USEPA "Hazardous Waste" per 40 CFR 261.3? ☐ Yes ☒ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007
☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code No : Recycle

Proper U.S. State Waste Code No : Recyclable Used Oil

Class : na UN/NA : na PG : na RQ : na

Flash Point >200	pH na	Reactive Sulfides 0 mg/l	Reactive Cyanides 0 mg/l	Solids 0-15 %
Oil and Grease >70000 mg/l	TOC na mg/l	Zinc 0 mg/l	Copper 0 mg/l	Nickel 0 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Used Oil	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None. Sample to CES

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ☒
TCLP Volatiles : ☒
TCLP Semi-Volatiles : ☒
Reactivity : ☒

Corrosivity : X
Ignitability : X

SECTION 9: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations

☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 10: Additional Instruction

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : _____

Printed Name / Title : not necessary / _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Date : 9-15-08 Status : Approved Rejected

Approval Number : _____

Process Facility Information :

Pay 50% of platts 6 Oil
Check to see if it can be recycled as base oil

2987

Pct of Houston - Egypt Marine
Dept



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/15/2008

Dear Roxana Herrera

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2987

Expiration Date 9/15/2010

Generator: Port of Houston Authority-Bayport Marine Dept.

Address: 12555 Port Road
Pasadena, TX 77507

Waste Information

Name of Waste: Rinsewater with latex paint

TCEQ Waste Code #: CESQ1131

Container Type:

Detailed Description of Process Generating Waste:

Water based paint and water in the recovery drum

Color: varies

Odor: mild

pH: neutral

Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110002234

GRP
Latex-reacts w/ acids.
Cannot go to waste water.



4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

GB

SECTION 1: Generator Information

Company: Port of Houston - Bayport Terminal
Address: 12555 Port Road
City: Houston State: TX Zip: 77057
Contact: Mike Reilly Title:
Phone Number: 281.291.6140 Fax Number:
24/hr Phone Number: 281.291.6140
US EPA ID No: TXCESQG
State ID No: CESQG SIC Code: na

SECTION 2: Billing Information - ☐ Same as Above

Company: Port of Houston
Address: P.O. Box 2562
City: Houston State: TX Zip: 77252-2562
Contact: Roxanna Herrera Title: Waste program coordinator
Phone Number: 713.670.2814 Fax Number: 713.670.2427

SECTION 3: General Description of the Waste

Name of Waste: Rinse water with latex paint
Detailed Description of Process Generating Waste:

water based paint and water in the recovery drum

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: varies Odor: mild

Specific Gravity (water=1): 1 Density: 8.34 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☒ Monthly ☐ Yearly ☐ One-Time

Quantity: as needed

☐ Yes ☒ No

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009
☐ D010 ☐ D011

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

CESQ1131

Non RCRA Non DOT regulated material (water and Latex paint)

Class: na **UN/NA:** na **PG:** na **RQ:** na

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
200		neutral		0 mg/l		0 mg/l		1 %	
Oil & Grease		TOC		Zinc		Copper		Nickel	
0 mg/l		10000 mg/l		0 mg/l		0 mg/l		0 mg/l	

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. MSDS

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	<u>X</u>
TCLP Volatiles:	<u>X</u>
TCLP Semi-Volatiles:	<u>X</u>
Reactivity:	<u>X</u>
Corrosivity:	<u>X</u>
Ignitability:	<u>X</u>

SECTION 9: Waste Receipt Classification Under 40 CFR 497 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?
If 'Yes', complete this section.

☒ YES ☐ NO

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☒ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☒ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:

Date:

9-10-08

Printed Name/Title:

Roxana Herrera, Program Coordinator

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer:

Date:

9-15-08

☒ Approved

☐ Rejected

Approval Number:

2987



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

\$75/ drum +trans + fsc

2. Contamination Limit (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

pH, Flash point; acidify to see if the material forms polymerized rubber latex balls,

5. Treatment and Handling Protocol:

~~waste water treatment~~ This material solidifies and forms rubber polymer when in contact with acidic materials. Process to system 1 if the flash point is OK.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☒ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--

MATERIAL SAFETY DATA SHEET FOR COATINGS, RESINS & RELATED MATERIALS

SECTION I PRODUCT IDENTIFICATION

Manufacturer: Ennis Paint, Inc.
P.O. Box 404
Ennis, Texas 75120
Information Ph: 800-331-8118
Emergency Ph: 800-424-9300
Revised: 12/20/06

Product Class: High Solids Waterborne
Lead Free Fast Dry Traffic Paint - **APPLIES TO ALL COLORS**

Trade Name: Ennis Paint
C.A.S. Number: N/A - Mixture
VOC: < 150 G/L
Specific Gravity: 1.6-1.7

HAZARD RATINGS:	HTH	1
NONE-EXTREME	FIRE	1
0 - 4	REACTIVITY	0
	PERSONAL PROTECTION	0

SECTION II HAZARDOUS INGREDIENTS

INGREDIENTS	CAS #	WEIGHT		Exposure Limits		VP mm HG
		%	ACGIH/TLV	OSHA/PEL		
Methanol	67-56-1	2.5 MAX STEL =	200 ppm	200 ppm 250 ppm		97.7 @ 68F

SECTION III PHYSICAL DATA

BOILING RANGE: 147-477°F
EVAPORATION RATE: 0.45 x n-Butyl Acetate
APPEARANCE: Heavy Liquid
VOLATILES: Vol % 38-40%

VAPOR DENSITY: Heavier than Air.
LIQUID DENSITY: 1.5-1.7 kg/l @ 20°C
V.O.C. < 150 g/l / 1.3 lbs/gal
WGT % 20-25%

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASS: Not Flammable
FLASHPOINT
ASTM D 3278: >201°F
ASTM D 93: >201°F

TCC LEL: N/A
UEL: N/A

EXTINGUISHING MEDIA:

- NONE

SPECIAL FIREFIGHTING PROCEDURES:

- NONE

UNUSUAL FIRE & EXPLOSION HAZARDS:

- KEEP CONTAINERS TIGHTLY CLOSED.
- ISOLATE FROM HEAT, SPARKS AND OPEN FLAME.
- CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.
- THIS MATERIAL WILL NOT BURN UNTIL THE WATER HAS EVAPORATED. DRIED RESIDUE CAN BURN.
- IN A TEST "EVALUATION OF THE FIRE HAZARD OF WATER-BORNE COATINGS" (FACTORY MUTUAL RESEARCH CORPORATION SCIENTIFIC CIRCULAR 804 DECEMBER 1977), FOUR WATER-BORNE COATINGS "PRESENTED NO [FIRE] HAZARD". "IT WAS ALSO CONCLUDED THAT RESULTS OBTAINED FROM LABORATORY [FLASH POINT] TESTS ARE NOT REPRESENTATIVE INDICATION OF THE FIRE HAZARD OF WATER-BORNE COATINGS".

SECTION V HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL:

- SEE SECTION II FOR INFORMATION ABOUT INDIVIDUAL INGREDIENTS.

EFFECTS OF OVEREXPOSURE:

- SEVERE EYE IRRITATION.
- HEADACHES, DIZZINESS AND/OR NAUSEA. SKIN CONTACT MAY CAUSE IRRITATION OR RASH.
- SKIN ABSORPTION MAY POTENTIALLY CONTRIBUTE TO THE OVERALL EXPOSURE OF METHANOL. APPROPRIATE MEASURES SHOULD BE TAKEN TO PREVENT ABSORPTION SO THAT THE TLV IS ALWAYS MET.
- NIOSH RECOMMENDS A LIMIT OF 200 ppm, 8-HOUR TWA; 800 ppm 15-MINUTE CEILING FOR METHANOL.
- OVEREXPOSURE TO METHANOL (OR ITS COMPONENTS) HAS BEEN SUGGESTED AS A CAUSE OF EYE DAMAGE IN HUMANS.

FIRST AID:

- *EYES:* FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. GET IMMEDIATE MEDICAL ATTENTION.
- *SKIN:* WASH EXPOSED AREAS WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.
- *INHALATION:* MOVE VICTIM AWAY FROM SOURCE OF EXPOSURE AND INTO FRESH AIR. IF SYMPTOMS OF EXPOSURE DEVELOP, GET MEDICAL ATTENTION.

SECTION VI REACTIVITY DATA

STABILITY: ☐ UNSTABLE ☒ STABLE
HAZARDOUS POLYMERIZATION: ☐ MAY OCCUR ☒ WILL NOT OCCUR
INCOMPATIBILITY: N/A
CONDITIONS TO AVOID: N/A
HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

- COLLECT IN A RETAINING AREA OR CLOSED CONTAINER IF POSSIBLE, AVOID EXCESS DILUTION WITH WATER.
- MATERIAL MAY BE CONTAINED WITH AN ABSORBENT MATERIAL THEN TRANSFERRED TO AN APPROPRIATE CONTAINER.
- AVOID EXPOSURE TO HEAT, SPARKS, FIRE OR OPEN FLAME.
- AVOID HOT METAL SURFACES.

WASTE DISPOSAL METHOD:

- DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
- AVOID DISCHARGE INTO NATURAL WATERS.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

- WEAR APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING SPRAYING APPLICATION TO PROTECT AGAINST OVERSPRAY.

VENTILATION:

- ADEQUATE VENTILATION IS NECESSARY WHEN SPRAYING OR MIXING AND EXHAUST WITH PROPER AIRFLOW IS ALWAYS RECOMMENDED.
- AVOID ANY DIRECT INHALATION OF SPRAY MIST IF THIS PRODUCT IS SPRAYED.

PROTECTION GLOVES:

- RECOMMENDED

EYE PROTECTION:

- CLOSE FITTING SAFETY GOGGLES.

OTHER PROTECTIVE EQUIPMENT:

- MAY ADHERE TO SKIN - GLOVES, LONG SLEEVES, HATS AND FACE SHIELDS ARE RECOMMENDED.
- PROTECTIVE CREAMS MAY HELP, BUT ARE NOT AS PROTECTIVE AS GLOVES, ETC.
- TRAIN AND EDUCATE EMPLOYEES IN THE SAFE USE OF THE PRODUCT.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

- PROTECT FROM FREEZING

SECTION X ECOLOGICAL INFORMATION

ECOTOXICITY: FISH: FATHEAD MINNOW: 96 HR: LC50 = >750 mg/L

OTHER: NO OTHER INFORMATION IS AVAILABLE

SECTION XI ADDITIONAL REGULATORY INFORMATION

THIS PRODUCT IS NOT REGULATED BY D.O.T. WHEN SHIPPED DOMESTICALLY BY LAND.

SARA TITLE III SECTION 313:

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT OF 1986 AND OF 40 CFR 372:

CAS#	CHEMICAL NAME	PERCENT BY WEIGHT
67-56-1	METHANOL	2.5 MAX

PROP 65 (CARCINOGEN):

WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

CAS#	CHEMICAL NAME	PERCENT BY WEIGHT
	NONE	

PROP 65 (TERATOGEN):

WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

CAS#	CHEMICAL NAME	PERCENT BY WEIGHT
	NONE	

PROP 65 (BOTH CARCINOGEN AND TERATOGEN):

WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

CAS#	CHEMICAL NAME	PERCENT BY WEIGHT
	NONE	

TSCA-U.S. TOXIC SUBSTANCES CONTROL ACT:

ALL COMPONENTS OF THIS MIXTURE ARE IN COMPLIANCE WITH THE INVENTORY LISTING REQUIREMENTS OF THE U.S. TOXIC SUBSTANCES CONTROL ACT (TSCA) CHEMICAL SUBSTANCES INVENTORY.

**SECTION XII
MISCELLANEOUS INFORMATION**

THE INFORMATION OFFERED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE, BUT ALL RECOMMENDATIONS ARE MADE WITHOUT WARRANTY, EXPRESS OR IMPLIED, SINCE THE CONDITIONS OF USE ARE BEYOND OUR CONTROL, NEITHER ENNIS PAINT, INC., NOR ITS AGENTS SHALL BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING FROM THE USE OR THE INABILITY TO USE THE PRODUCT DESCRIBED HEREIN. NO PERSON IS AUTHORIZED TO MAKE ANY STATEMENT OR RECOMMENDATION NOT CONTAINED IN THE MATERIAL DATA SHEET, AND ANY SUCH STATEMENT OR RECOMMENDATION, IF MADE SHALL NOT BIND THE CORPORATION.

drums | Port of Houston
98% water Bayport
2% paint

2988

Safety Railway Services

7E

8-4-09

T-35

LAB



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 9/16/2008

Dear **Lawrence Horan**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2988

Expiration Date 9/16/2010

Generator: Safety Railway Services

Address: Hwy 59 S. Aloe Field Whse Road
Victoria, TX 77902

Waste Information

Name of Waste: Acidic washwater

TCEQ Waste Code #: 0014119H

Container Type:

Detailed Description of Process Generating Waste:

Railcar product washout of sulfuric acid

Color: clear/brownish

Odor: none

pH: 1-2

Physical State:

Incompatibilities: organics

Safety Related Data/Special Handling:

level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO110002248

GP
OK -
Special
Handling
COPY



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

GB

SECTION 1: Generator Information

Company: Safety Railway Services
Address: Hwy 59 S Aloe Field Whse Rd
City, State, Zip: Victoria, TX 77902
Contact: Orlo Brooks Title: Env. Manager
Phone No: 361.276.2141 Fax No:
24/hr Phone: 210.525.2524
U.S. EPA I.D. No: TXD063071393
State I.D. 31767 SIC Code:

SECTION 2: Billing Information - ☐ Same as Above

Company: Responsive Environmental Solutions
Address: PO Box
City, State, Zip: New Braunfels, TX
Contact: Larence Horan Title: Owner
Phone No: (210) 281-9711 Fax No: (210) 281-9731

SECTION 3: General Description of the Waste

Name of Waste: Acidic Washwater

Detailed Description of Process Generating Waste: Railcar Product Washout of Sulfuric Acid

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Clear/Brownish

Odor: None

Specific Gravity (water=1): 1

Density: 8 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size: 5000G Tanker

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly

Number of Units (containers): 1 Other: _____

Texas State Waste Code No: 00141194 (RCRA D002)

Proper U.S. DOT Shipping Name: Corrosive Liquids, acidoc, inorganic, n.o.s.

Class: 8 UN UN3244 PG: III RQ: 100p

Flash Point >200	pH 1-2	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids <2%
Oil & Grease mg/l	TOC mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

Component	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
Water	95	%
Sulfuric Acid	1-3	%
dirt	0-2	%
Sodium Hydroxide Salts-Neutralizing Agent	1-2	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Level D

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

organics

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ☒ X
 TCLP Volatiles: ☒ X
 TCLP Semi-Volatiles: ☒ X
 Reactivity: ☒ X
 Corrosivity: ☒ X
 Ignitability: ☒ X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: *Ante E...*

Date: 9-11-08

Printed Name/Title: Project Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: *Robert Dhy...*

Additional Information: _____

Date: 9-16-08

Approved ☒

Rejected ☐

Approval Number: 2988

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment.

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

2104/621

2. Contamination Limit (maximum limit before surcharges apply):

NA

3. Surcharge Pricing:

NA

4. Special Testing Requirements:

NA pH, TOC, phenol, this has 12% solids.

5. Treatment and Handling Protocol:

Neutralize/Discharge Comes in at a low pH; treat with ferric and no sulfuric acid, treat with lime to a pH of 8 (it does not take very much lime) then pump and mix - settle & then discharge in waste water

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--



**CES Environmental
Services, Inc.**

CES SAMPLE EVALUATION FORM

Sample ID # 09-0833

Date: 9-16-08

CES Sales Representative: Gary Brauchman

Requested Turnaround / Completion Date: ASAP

Customer Name: RES (Safety Railway

Generator Name and Location: Safety Railway - Victoria

Ultimate Objective for Performing Analysis: Neutralize → Discharge

Provide a Detailed Description of the Process Generating the Waste, Material, or Product:

Rinse water from clearing of sulfuric acid
Rail car

Provide a detailed Composition to the best of your knowledge:

Component / Approximate Percentage or PPM:

Water 95%
Sulfuric Acid 1-3%
Dirt
NaOH - salts

pH adjust: 1.53 → 7.5
.35/50

pH adjust solid =
14%

Internal Analysis to be Performed on Wastewater/Sludge and Oily Water/sludge:

Wastewater Treatability ☒

Percent Solids 12%

Percent Oil 1.027

Specific Gravity

Chlor-d-tect (oil phase)

pH 1.53

Phenols

Oil and Grease (water phase)

TOC < 200

Distillation Test

Metals

Flash

GC/MS

Chlor-n-oil (oil phase)

Centrifuge Test

Other Internal Analysis (List)

Off-site Lab Analysis (List)

Note: Must have an approved P.O. for any external lab analysis

Internal Analysis to be Performed on Hydrocarbons or other Organic Chemicals:

Ash

Black Oil Suitability

Viscosity

Specific Gravity

Light End Suitability

Distillation Test

Flash

CES Fuel Suitability

Hydro-scout

Chlor-d-tect

Color

Chlor-n-oil

Water by Distillation

Water Extractability

Other Internal Analysis (List)

Off-site Lab Analysis (List)

Note: Must have an approved P.O. for any external lab analysis

Internal Analysis to be Performed on Spent Caustic:

Percent Potassium Hydroxide

Specific Gravity

Sulfides

Percent Sodium Hydroxide

Chlorides

Sodium

Percent Solids by Centrifuge

Oil by Centrifuge

TOC

Other Internal Lab Analysis (List)

Off-site Lab Analysis (List)

Note: Must have an approved P.O. for any external lab analysis